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No. 36] NEW DELHI, SATURDAY, SEPTEMBER 6, 1997 (BHADRA 15, 1919)

इस भाग में विभिन्न पृष्ठ संख्या दी जाती है जिससे कि यह खता संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

[PART III - SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 6th September 1997

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Telegraphic address "PATENTOFFIC"

227 GI/97

Patent Office Branch,
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Chennai-600 090.

The States of Andhra Pradesh,
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Telegraphic address "PATENTOFIS"

Patent Office, (Head Office),
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Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagdish
Bose Road, Calcutta-700 020

Rest of India.

Telegraphic address "PATENTS"

All applications, notices/statements or other documents or any fees required by the Patents Act, 1970 or the Patent Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकसूच तथा अधिनियम

कलकत्ता, दिनांक 06 सितम्बर 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार क्षेत्रों के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, गंडी इस्टेट,
तीसरा तल, लोअर परम (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा राजा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमर तथा दीव एवं
दादर और नगर द्वीप ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
एकसूच में 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र संक्षेपित ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,

धिग सी (सी-4, ए)

तीसरा तल, राजाजी भवन, बम्बय नगर,

चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काव
तथा एमिनिदिबि द्वीप ।

पेटेंटोफिस

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुमंजरी कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रत्येक पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
बैंक आवेदन या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
बैंक द्वारा की जा सकती है ।

Application for Patent filed at the Head Office 234/4,
Acharya Jagdish Bose Road, Calcutta-20.

The dates shown in the crecent bracked are the dated claimed
under section 135, of Patent Act, 1970.

24-07-1997

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South Africa)

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Limited, "Improved pilferproof closure for con-
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India Ltd., "A shield for reducing heat loss in hot
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28-07-1997

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31-07-1997

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THE PATENT OFFICE BRANCH,
WING C (C-4 'A'), IIIrd FLOOR,
RAJAJI BHAVAN, BESANT NAGAR,
CHENNAI-600 090,

26th May, 1997

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1110/Mas/97 Fungau 110 (nmn); William Marshall Haydon; Morleza (nmn) Mokhtarzudch; Anthony Joseph Papa; Lah Aon Paterson and Richard William Wegman. Process for conducting equilibrium-limited reactions.

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1121/Mas/97. Semperit Kiefen Aktiengesellschaft. Process and device for vulcanising tires. (May 28, 1996; Austria).

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28th May, 1997

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1126/Mas/97. Chao-Cheng Chiang. Spray dyeing apparatus with breadth expansion and vibration-enhanced dyeing operation.

1127/Mas/97. Mitsui Petrochemical Industries, Ltd., Ethylene random copolymer, process for its preparation & rubber composition. (May 28, 1996; Japan).

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1130/Mas/97. Analogic Corporation. Multi-processor after* low artifact correction filter for use with computed tomography. systems. (June 27, 1996; U.S.A.).

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29th May, 1997

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- 1146/Mas/97. Samsung Electronics Co. Ltd., Washing machine with ball balancer. (June 3, 1996; Korea).
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- 1148/Mas/97. Hoechst Altiensesellschaft. Chemical compound, (June -, 1996; Germany).
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- 1150/Mas/97. ELF Alochem S.A. Vinyl chloride copolymer latex, process for the manufacture thereof and use thereof, (May 31, 1996; France).
- 1151/Mas/97. ELF Atochem S.A. Bipopulated latex of vinyl chloride copolymers, process for the manufacture thereof and applications thereof.. (May 31, 1996; France).

30th May 1997

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- 1154/Mas /97. Ole-Bend Rasmussen. A method and apparatus of manufacturing a continuous, biaxially oriented polymeric sheet material (January 29, 1992; United Kingdom).
- 1155/Mas/97. V. Hoffmann-La Roche AG , Modulation of LC 132 (Opioid-like) receptor function, (June 13, 1996; Europe).
- 1156/Mas/97. F. Hoffmann-La Koch AO. A process for the manufacture of 1-(amino-alkyl)-imloles. (June 12, 1996; Europe).
- 1157/MAS/97. BASF Aktienegesellschaft. Pyrimidine-carboxamides. (June 3, 1996; Germany).
- 1158/Mas/97. BASF Aktiongesellschaft, Industrial heterogeneously catalyzed gasphase oxidation of propane to, acrolein.
- 1159/Mas/97. BASH Aktienegesellschaft. Mixtures containing monomers and stabilizers. (June 5, 1996; Germany).
- 1160/Mas/97. ICO Services Ltd. Secure communications. (May 31. 1996; United Kingdom)
- 1161/Mas/97. Novartis AG. Thrombin inhibitors. (June I, 1996; Great Britain).
- 1162/Mas/97. Nokia Mobile Phones Lid.,- Method for the escryption of data transfer, (June 6, 1995; Finland).
- 1163/Mas/97. Kimberly-s Clark Worldwide, Inc. Durable nycrophilic coating for a porous hydrophobic polymer substrate. (June 14, 1996; U.S.A.).
- 1164-/Mas/97. Diving Rendezvous. Turbocharged ram tornado engine with transmission and heat recovery system.
- 1165/Mas/97. Hyundai Electronic America, Inc. Triple well flash memory and tabrication process. (May 30, 1996; U.S.A.).
- 1166/Mas./97. Novo Nordisk A/S. Growth hotmone and extrog?n in the treatment of Osteoporosis. (May 31, 1996; Denmark).

- 1167/Mas/97. ABB Research Limited. Method for the protection of n mains power supply or of an installation against overvoltages andv o l t a g e , limiting circuit, (June 13. 1996; Germany).
- 1168/Mas/97. Life Resuscitation Technologies, inc. Treatment or prevention of anoxie or lahemie brain injury-with melatonin containing composition).

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- 1170/Mas/97. Power Gear Limited. Isolated phase busduct.
- 1171/Mas/97. A Ahlstrom Osakeylistio. Method and apparatus for mixing a second medium with a first medium. (December 20, 19y6; Finland).
- 1172/Mas/97. Sumika Fine Chemicals Co., Ltd., Piperidine derivative and process for preparing the same.
- 1173/Mas/97. Akzo Nobel N. V., Acid seatlysed process for preparing 2-mercaptobenzo-thiszole and derivatives therefrom.
- 1174/Mas/97. Hoechst Aktiengesellschaft. Xanthine compounds having terminally aminated alkynol side chains, (June 7, 1996; Germany).
- 1175/MAS/'97. Mannesmann Aktiengesellschaft. Method & apparatus for pouring steel from an immersion spout (June 4. 1996; Germany).
- 1176/MAS/97. Hoechst Aktiengesellschaft, Use. of theophylline derivatives for the treatment and prephy-laxis of states of shock, novel xanthine compounds and processes for their preparation, (June 7, 19%; Germany).
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- 1179/Mas/97. Ciba Specialty Chemicals Holding Inc Concentrated liquid formulations. (June 4, 1996 Switzerland).
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4th June, 1997

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- 1190/Mas/97. McWhorter Technologies, Inc., Low temperature cure carboxyl terminated polyester. (August 12, 1996; U.S.A.).
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- 1197/Mas/97. Reynolds Metals Company. Method of improving the corrosion resistance of aluminium, alloys and products therefrom. (June -6, 1996; U.S.A.).
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5th June 1997

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6th June, 1996

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COMPLETE SPECIFICATION ACCEPTED

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्धित आवेदन में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपर्युक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए गये वर्गीकरण, भारतीय वर्गीकरण तथा अंतर्राष्ट्रीय वर्गीकरण को अनुसृत है।”

रूपांकन (चित्र आरेखों) की कोटी प्रतियां यदि कोई हों, के साथ विनिर्देशों की संकेत अथवा पदों प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यांतरण प्रभार जिस उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अवागामी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (कॉपिक प्रत्येक पृष्ठ का लिप्यांतरण प्रभार 2/- रु. है) कोटी लिप्यांतरण प्रभार का परिशुद्ध किया जा सकता है।

Cl. : 32 E+152 F
Int Cl⁴ : c 11 D 3/32, 15/00

179131

"A PROCESS FOR THE PREPARATION OF NITRO-GEN-CONTAINING SURFACE ACTIVE COMPOUND."

Applicant : HOECHST AKTIENGESSELLSCHAFT, OF D-6230 FRANKFURT AM MAIN SO. FEDERAL REPUBLIC OF GERMANY:

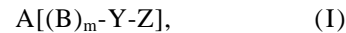
Inventors : 1. HEINZ UHRIG 2. SIEGFRIED SCHWERIN 3. DIETER SCHMAITMANN 4. HANS-JOACHIM METZ.

Application No. : 298/Cal/1992 filed on 30th April, 1992.

Appropriate office for opposition proceedings (Rule 4, patent Rule 1972) Patent Office Calcutta.

6 Claims

A process for the preparation of a nitrogen containing surface active compound of the formula (I)



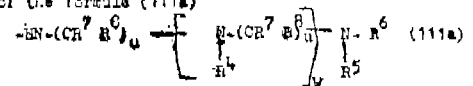
in which

A is the radical of a resin acid selected from the group consisting of a naturally occurring resin acid, a hydrogenated resin acid and a disproportionated resin acid,

B is a direct bond or is a group of the formula-(X-O)- in which X is a group of the formula $-CH_2-CH_2-CH_2CH(CH_2)-$ or $-CH(CH_2)CH_2-$ or is a combination thereof,

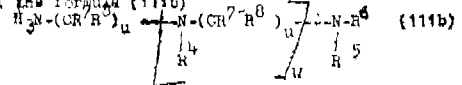
Y is a group of the formula $-OC-F-CO-$ or $-OC-F-COO-$, in which F is a divalent aromatic radical having 6 to 12 carbon atoms or is a straight-chain, branched or cycloaliphatic alkylene group having in each case 1 to 16 carbon atoms and

Z is a group of the formula (111a)



if Y is $-OC-F-CO-$,

or is a cation of the formula (111b)



if Y is $-OC-F-COO-$.

in which R^4 , R^5 and R^6 independently of one another are a hydrogen atom or a hydroxyalkylene having a 1 to 6 carbon atoms, R^7 and R^8 independently of one another are hydrogen or methyl, U is identical or different and is an integer from 1 to 14 and W is an integer from-zero to 25, and

m is a number from 1 to 100 and

q is an integer from 1 to 11,

which comprises

(a) esterifying in a known manner said resin acids with ethylene oxide or propylene oxide, or with a mixture of ethylene oxide and propylene oxide, in succession or in a mixture of ethylene oxide and propylene oxides 1 to 100 mol of ethylons oxide and/or propylene oxide being employed per reactive hydrogen atom in the resin acid used at a temperature of 100 to 200°C in the presence of a hydroxide or an alkoxylate as catalyst, forming a compound of the formula $A-(X-O)_H$.

(b) half-esterifying the product obtained in (a) on the terminal hydroxyl group with a compound selected from the group consisting of dicarboxylic acids and dicarboxylic acid anhydrides on which Y is based, in a molar amount 2:1 to 5:4 at a temperature of between 0°C to 2-10°C, forming a compound of the formula $A-(X-O)_m-Y_q$.

(c) Subsequently converting the free carboxyl groups of the compound obtained in (b) with at least one diamine or polyamine on which the formula Z is based into the particular amide form employing a temperature of 130 to 240°C or salt form employing a temperature of 20 to 130°C.

(Compl. Specn. : 34 Pages:

Drgns.

; Nil),

Cl. : 40A2

179132

Int. Cl. : B 01 J 19/26.

GAS-LIQUID CONTACT DEVICE FOR INCREASING THE REMOVAL EFFICIENCIES OF SULFUR OXIDES AND OTHER POLLUTANTS OR CONTAMINANTS CONTAINED IN THE FLUE GAS.

Applicant : The BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160 UNITED STATES OF AMERICA.

Inventors : 1. ANANBA PERVAJE BHAT
2. DENNIS WAYNE JOHNSON
3. ROBERT BRUCE MYERS

Application- No. : 69/Cal/1993 filed on 3rd February, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

4 Claims

A gas-liquid contact device for increasing the removal efficiencies of sulfur oxides and other pollutants or contaminants contained in the flue gas, comprising :

(a) a tower having a gas inlet, a gas outlet, and means for passing gas upwardly therethrough;

(b) at least one plate positioned within said tower and across the flow path of said gas, said plate being perforated with a first region of said plate having a first open area value and with a second region of said plate having a second open area value, said first and second open area values being uniform or min-uniform, and the total open area of said plate being between approximately 5% and 60% of the total area of said plate;

(c) partitions within said tower for compartmentalizing the top of said plate into a plurality of individual compartments; and

(d) nozzle being provided within said tower above at least one of said plates and being so arranged as to deposit a liquid slurry or liquid solution onto said plate thereby contributing to the pollutant absorption rate of said tower, and, optionally, there being provided a pollutant absorption system that is promoted by buffering agents such as alkali magnesium salts and/or organic acids.

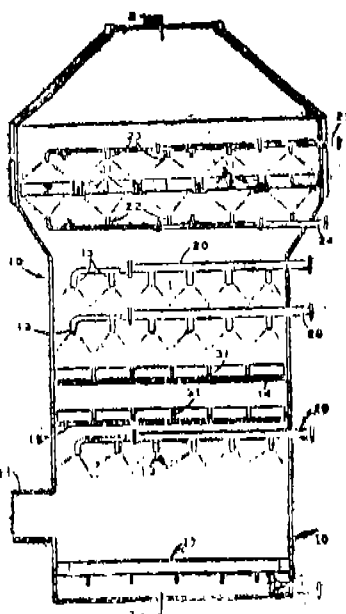


Fig. 1

Compl. Specn : 12

pages

Drgns : 3 sheets,

Cl. : 176 C

179133

Int. Cl. : F 22 B 35/10.

F 22 D 5/00.

FORCED ONCE THROUGH STEAM GENERATOR, WITH CONTROL DEVICES.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ, 2, 8000 MUENCHEN 2, GERMANY.

Inventor ; 1. AXRL BUTTERLIN
2. HERMANN DORR
3. JOACHIM FRANKE

Application No. : 25-5/Cal/1993 filed on 4th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta,

8 Claims

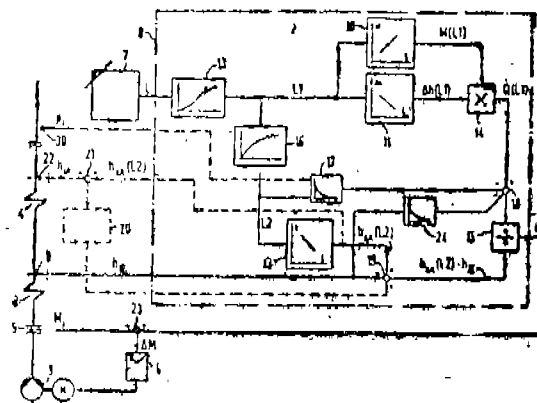
A forced once-through steam generator having an evaporator heating surface (4) and a device (3), connected upstream of the evaporator heating surface (4) in terms of flow, for setting the feed-water mass flow M into the evaporator heating surface (4), and having a control device (6) which is assigned to said device (3), whose control variable is the feed-water mass flow M and whose setpoint value M_s for the feed-water mass flow is controlled as a function of a setpoint value L assigned to the steam generator power, characterized in that a device (S) for deriving the variable

$$Q(LI)/h_{SA} (E2)-b_{iE}$$

as setpoint value M_s for the feed-water mass flow and a device (9) for measuring the actual value h_{iE} of the specific enthalpy of the feed water at the inlet of the evaporator heating surface (4) are assigned to the control device (6), and in that the actual value h_i of the specific enthalpy at the inlet of the evaporator heating surface (4) and the setpoint value L assigned to the steam generator power can be fed to said device (8) for deriving said variable M_s = Q(LI)/h_{SA} (L2)-h_{iE} as input variables,

where (QI) it the value for the heat flow into the evaporator heating surface (4), which value is derived by a first power value LI from a function generator (10, 11, 12, 14) in accordance with a function of the first power value LI which can be predetermined in a fixed manner,

where h_{SA} (L2) is the setpoint value for the specific enthalpy at the outlet of the evaporator heating surface (4), which setpoint value is derived by a second power value L2, from the function generator (10, 11, 12, 14) in accordance with a function of the second power value L2 which can be predetermined in a fixed manner where the first power value LI is a power value which is delayed by means of a first delay element (13) with respect to the setpoint value L assigned to the steam generator power, and where the second power value L2 is a power value which is delayed by a second delay element (16) with respect of the first power value LI.



Cl. : 172C4

179134

Int. Cl.⁴ : D 01 H 5/00, 5/46, 5/48, 5/74, 5/86.

HOLDER FOR TOP ROLLER IN SPINNING FRAME DRAFTING EQUIPMENT.

Applicant : SKF TEXTILMASCHTNE-KOMPONENTEN GMBH, OF LOBWENTORSTRASSE 68, D-70376 STUTTGART GERMANY.

Inventor : RONALD EBERHARDT.

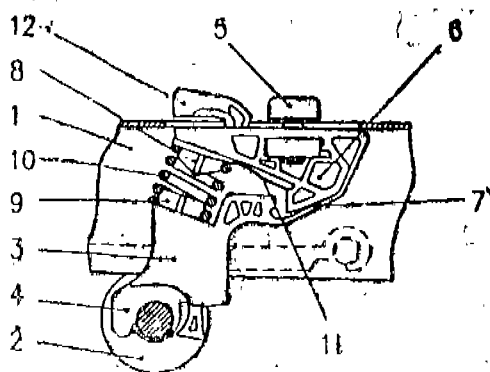
Application No. : 567/Cal/1993 filed on 3rd November, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

5 Claims

Holder for top roller in the supporting and weighting arm of spinning-frame drafting equipment having a slide (6), connected to the firm by a screw (5), for a guide arm (3) that can move in respect of the slide by means of an articulated bending element (7) which is provided with a saddle (4) for the insertion of a top roller arbor, and with the extruded spring plate (8, 9) each on slide (6) and guide arm (3) as

abutments for the pressure spring generating the loading force, characterized by the feature that one of the two spring plates (8 or 9) is held in the holder flexibly so as to be axially adjustable by a setting cam (12) adjusting the loading force, and is moulded onto a flexible tongue (11) which permits compensation of the switching path of the movable spring plate (8 or 9), whereby the setting cam (12) can be inserted in the holder, is supported between the movable spring plate (8 or 9) and the supporting and weighting arm (1) or the holder, and is adjustable from outside on the supporting and weighting arm (1) by means of a separate adjusting tool



Compl. Specn : 5 pages

Drg.

: 1 sheet,

Cl. : 40 B

179135

Int. Cl.⁴ : C 08 E 4/42.

PROCESS FOR PRODUCING A SOLID CATALYST COMPONENT WHICH IS CAPABLE TO FORM CATALYSTS FOR THE POLYMERIZATION OF OLEFINS.

Application : HIMQNT INCORPORATED, OF 2801 CENTARVILLE ROAD, NEW CASTLE COUNTY, DELAWARE, U.S.A.

Inventors : 1. ENRICO ALBIZZATI;

2. GIAMPIRO MORINI;

3. UMBERTO GIANNINI;

4. IUIA BARINO;

5. RAIMONDO SCORDAMACIA;

6. PIER CAMUXO BARBE;

7. LUCIANO NORISII.

Application No. : 1100/Cal/1995 filed on 13 September, 1995.

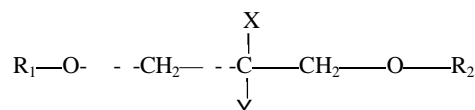
2—227 G1/97

(Divided out of-Appln. No. 244/Cal/1991 antdated to 26-03-1991).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

1 Claim

A process for producing a solid catalyst component which is capable, to form catalysts for the polymerization of olefins, comprises a titanium halide or alkoxyhalide and an electron-donor compound supported on a magnesium halide in active form, and is capable to react with Al-alkyl compound, said process comprising contacting, at a temperature from 0° to 135° C magnesium dihalide in active form with an excess of a titanium halide or alkoxyhalide and an electron-donor compound in molar ratio between the titanium dihalide and the electron-donor compound from 2:1 to 12:1. said electron-donor compound being : selected from the group consisting of 1, 3-diethers of formula :



where

R₁ and R₂ are the same or different and are hydrocarbon radicals with 1-6 carbon atoms, optionally unsaturated and or containing halogen atoms.

X is a hydrocarbon radical having 1-18 carbon atoms containing at least one heteroatom which is not directly bonded to the central carbon atom in (the 2 position) of the 1, 3-diether molecules: wherein the heteroatom is selected from the group consisting N, S, P, Si non-ether O and halogen atoms, or

X is a halogen atom or a heteroatom-containing group wherein one heteroatom is bonded directly to the central carbon atoms of the 1, 3-diether of the above formula and which is selected from the group consisting of -NR' R'', -SO₂ R', -SOR', OP(OR) (OR''), -OP(O) (OR''). -Si(R' R'')_m (OR')_n and -OSi(R' R'')_m (OR')_n where R', R'', R''' are hydrocarbon radicals optionally unsaturated, having 1-18 carbon atoms, and R' and R'' together, in the case of NR' R'', can also form a cyclic structure, and R' or R'' or both, in the case of -Si (R' R'')_m (OR')_n, and -OSi (R' R'')_m (OR')_n, can also be hydrogen or halogen, m and n are numbers from 0 to 3. and m+n=3; or X is R^{iv} (hydrocarbyl group having 1-18 carbon atoms containing at least one double bond and optionally containing one or more heteroatoms selected from the group consisting of N, S, P, Si, non-ether O and halogen atoms; Y is equal to X when X is halogen.

-Si (R' R'')_n (OR')_n or R^{iv} Radical, or Y is hydrogen or R^v (hydrocarbon radical having 1-18 carbon atoms)' X and Y moreover can be bonded, together to form ^{iv} hydrocarbon radical having 1-18 carbon atoms and optionally containing heteroatoms selected from the group consisting of halogen, non-ether O, and N, S, P, and Si, said R^{iv} being also optionally bonded to the central carbon atom through a double bond.

Compl. Specn :

27

pages

Drgns : Nil

Ind. Cl. : 123

179136,

Int. Cl.⁴ : A 61 K 37/48

C 05 F 11/08

A PROCESS FOR THP PREPARATION OF A CELLULOSE ENZYME.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARC NEW DELHI-110001. INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : BALAMANI BEZBARUAH, TARUN BORA.

Application for Patent No 676 /Ind/92. filed on 29-07-92.

Complete Left after Provisional Specification on 26-07-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 3

A process for the preparation of a cellulase enzyme which comprising cultivating the strain selected from the cellulytic soil bacteria-Cellulomonas species having characteristics as herein described, deposited at RRL Jorhat and designated as RRL 1 (E 52 and RR1 I CH 64, in a nutrient medium! consisting of $K_2 HPO_4$, KH_2PO_4 , $MgSO_4$, $NaCl$, $CaCl_2$ $(NH_4)_2 SO_4$, at a temperature in the range of 30"-35"C, a PH in the range of 6.0-6.5 in the presence of a source of carbon and separating the enzyme so formed from the nutrient both, by precipitation, centrifugation and drying by known method such as herein described

Complete Specification 10 Pages " Drawing Nil.

IND. CL_O ; 32 F₂b + 55 E₂. + E₄

179137

Int. Cl¹ : A 61 K 31/33

A PROCESS FOR THE PREPARATION OF 3-(N-ISO-PROPYL-N-n-PROPYLAMINO) -5-(N-ISOPROPYL) CARBAMOYL-CHROMAN.

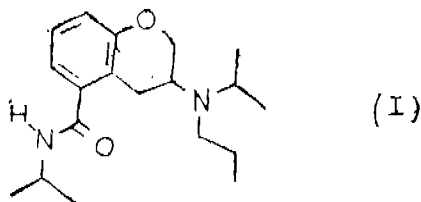
Applicant : AKTIEBOLAGET ASTRA, A SWEDISH COMPANY, OF S-151 85 SODERTALIE, SWEDEN.

Inventors : EVA MARIA HAMMARBERG LARS GEORGE JOHANSSON, SVANTE- BERTIL ROSS & SETH OLOV THORBERG-

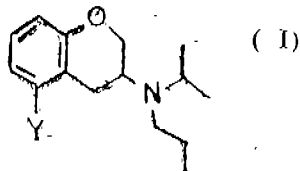
Application for Patent No. 888/Del/92 filed on 01-10-92.

Claims 3

A process for the preparation of 3-(N-isopropyl-N-n-propylamin'o)-5-(N-i8opropyl) Carbamnoylchroman having the formula I,



as racemate, (R)-enantiomer in the form of free base or pharmaceutically acceptable salts thereof which comprises subjecting a compound of formula VI,



wherein Y is a leaving group to catalytic cycle in the presence of zerovalent transition metal, and thereafter treating it with carbon monoxide followed by amination to obtain said compound of Formula I, and if desired, converting by any known method said compound for Formula I to its pharmaceutically acceptable salt.

Complete Specification 26 Pages

. Drawing Nil.

Ind. Cl. : 55 E (4)

179138

Int. Cl¹ : A 61 K, 31/615.

A PROCESS FOR THE PREPARATION OF DUAL INHIBITORS OF NO SYNTHASE AND CYCLOOXYGENASE.

Applicant : SOCIETE. DE CONSEILS DE RECHERCHES ET D' APPLICATION SCIENTIFIQUES (S.C.R.A.S). A FRENCH COMPANY. OF 51/53 RUE DU DOCTEUR BLANCHE, 75016 PARIS, FRANCE.

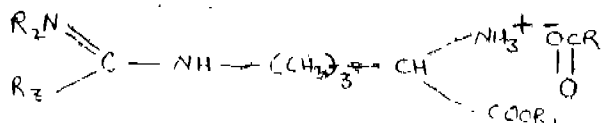
Inventur(s) : PIERREBRAQUET, COLETTE BROOQUET; SERGE AUVIN, PIFRRE ETIENNE CHABRIER DE-LASSAUNIÈRE.

Application for Patent No 1183/Del/92 filed on 11-12-1992.

Appropriate Office for Opposituon Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch New Delhi-110 005.

Claims 4

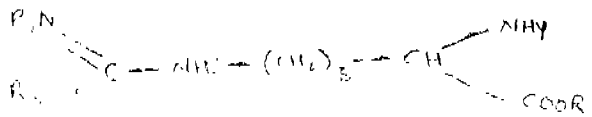
A process for the preparation of dual inhibitors of Not synthase and cyclooxygenase, said inhibitors having Formula



wherein R represents a radical of the cyclooxygenase inhibitor,

R. represents a hydrogen atom or a methyl of ethyl group R₂ represents a hydrogen atom or a nitro group and R₃ represents an amino, methylamino, ethylamino, hydrazino methyl or ethyl group with the proviso that if said compound of Formula I is a salt wherein R₂ represents a hydrogen atom, then R₃ does not represent in amino group which comprises reacting.

-in substantially equimolar proportions, in the presence of a solvent system of the kind such as herein described at a temperature of from 0°C to boiling point of the reaction mixture, a cydoxygenase inhibitor of the formula RCOX wherein R is as defined above X is QH or a halogen with a I,-form of arsinine analogues of the. formula



or a precursor thereof wherein V is a hydrogen. atom of a halogen atom, R₁, R₂, and R₃ are as defined above to obtain said compound of Formula I.

(Complete Specification 23 Pages, Drawing Sheet Nil)

Ind. Cl. : 55-D(2)

179139

Int. Cl. : A01N, 43/647

A PROCESS FOR THE PRODUCTION OF AN ARYI-TRIAZOI INONE.

Applicant : FMC CORPORATION CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATE OF AMERICA, OF 1735 MARKET STREET PHILADELPHIA, PENNSYLVANIA 19013, UNITED STATES OF AMERICA.

Inventor(s) ALLAN RONALD BAILEY, MARC HAL-FON, ERIC WILLIAM.

Application for Patent No. 457/Del 93 filed on .5-5-1003.

Appropriate Office for Opposition. Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

Claims 6

A process for the production of an aryl triazolinone of the formula :

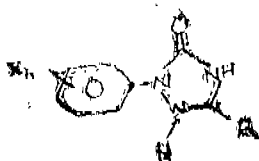


wherein :

R is lower alkyl having 1 to 3 carbon atoms;

X is independently halogen, lower alkyl, nitro, hydroxy, $\text{NH-SO}_2\text{R}'$, $-\text{N}(\text{SO}_2\text{R}')_2$, $-\text{N}(\text{R}')\text{SO}_2\text{R}$ where R' is lower alkyl and n is an integer from 0 to 3;

characterized by treating in a tert-butanol medium comprising 100 to 70 parts by weight of tert-butanol and 0 to 30 parts by weight of water, an aryl triazolidinone of the formula :



with a hypohalous acid or a salt thereof, or a hydrogen of the group consisting of chloring, and iodine at a temperature in the range of 0 to 60°C for 2 to 4 hours.

(Complete Specification 23 pages Drawing Sheet Nil.)

Ind. Cl. 32 F 179140

Int. Cl.¹ : C 07 D 339/08.

A PROCESS FOR THE SYNTHESIS OF A NOVEL SUBSTITUTED 1, 3-DITHIANI-2-YLIDENES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

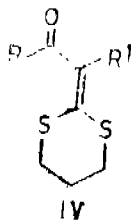
Inventors : VISHNU 11 RAM, NAVEDUL HAQUE & ABOO SHOEB.

Application for Patent No. 1067/Del/93 filed on Date 18-10-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Officer Branch, New Delhi-110005,

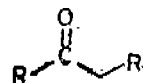
Claims 6

A process for the synthesis of a novel substituted 1, 3 dithian-2-ylidenes of the general formula IV,



Wherein R is CH_3 , OC_3 , IC_3 , C_3H_7 , 4-ClC_6 , and R' is COC CH_3 , COOC_3H_5 , COC_3H_5 , CN_3 , groups which com-

prises reacting appropriately substituted compounds of the general formula I



with carbon disulphide of the formula II



and 1, 3 dibromopropane of the formula III.



where R & R' have the meaning given above in the presence of an alkali base in an organic solvent at ambient temperature and recovering the resulting compounds by known procedures such as here in described.

Complete Specification 7 Pages

Drawings 1 sheet.

Cl. 39 K

179141

Int. Cl.⁴ : B 01 J 19/00, C 01 B 15/01, C 25 B 1/30

"A METHOD FOR THE ELECTROLYTIC PRODUCTION OF AN ALKALINE HYDROGEN PEROXIDE SOLUTION,"

Applicant : H-D TECH INCORPORATED, OF P.O. BOX 1012, MODELAND ROAD, SARNIA, ONTARIO, CANADA N7T 7K7.

Inventors : 1. ARTHUR LEPOERTRECH CLIFFORD 2. DENNIS DONG 3. DEREK JOHN ROGERS.

Application No. : 648/Cal/1992 filed on 8th September, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

11 Claims

A method for the electrolytic production of an alkaline hydrogen peroxide solution by maintaining constant or increasing electrolyte flow rate through the pores of a microporous polymer film cell separator or diaphragm during the operation of an electrochemical cell comprising :

(a) maintaining a concentration of a stabilizing agent in said electrolyte sufficient to complex with or solubilize a substantial proportion of the transition metal compounds of ions, or other metal compounds of ions present as impurities in said electrolyte; and

(b) periodically shutting down said cell, lowering the pH of said electrolyte to about 7, and recirculating said electrolyte containing a concentration of a stabilizing agent sufficient to complex with or solubilize a substantial portion of the transition metal compounds or ions, or other metal compounds or ions, present as impurities in said electrolyte.

(Compl. Specn. : 23 Pages;

Drgns. : Nil)

Cl. : 128 A

179142

26 Claims

Int. Cl. : A 61 F 33/16

"AN ARTICLE WHICH IS DISPOSABLE IN WATER,
E. G. A DIAPER."

Applicant : ECOPROGRESS LIMITED, OF 11, CRONY
CLOSE, CHEDDLETON NEAR LEEK. STAFFS, ST13
7JJ, UNITED KINGDOM.

Inventor : MALCOLM DAVID BROWN.

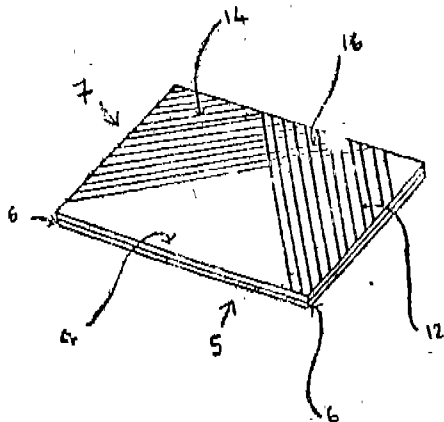
Application No. 846/Cal/1992 filed on 19th November,
1992.

(Convention No. 9124527.4 on 19-11-91 in United King-
dom).

Appropriate office for opposition proceedings (Rule 4,
Patent Rule 1972) Patent Office Calcutta.

14 Claims

An article, such as herein described, which is disposable in water, the article comprising a backing layer which has a membrane formed of material, such as herein described, which is soluble in water such that when the article is in contact with a relatively large volume of water, e.g. that produced by a flushing lavatory, the membrane readily dissolves, disperses or disintegrates to an extent that the backing layer loses its integrity, the membrane having variable solubility across its thickness, the outer surface being less soluble in water than the inner surface thereof, and/or the membrane having a discontinuous layer of insoluble or relatively insoluble material, such as herein described, applied to at least the outer surface thereof which restricts dissolution of the membrane, so that the outer surface of the membrane is adapted to dissolve less readily than the membrane as a whole whereby, when the oilier surface of the article is in contact with a relatively small volume of water, e.g. when handled with wet hands dissolution of the membrane is restricted so that the backing layer maintains its integrity.



(Compl. Specn. : 21 Pages; Drgns. : 6 Sheets)

Cl. : 176 G

179143

Int. Cl.⁴ : F 22 B 1/00

"A CIRCULATING FLUIDIZED BED REACTOR
PARTICULARLY FOR USE IN. BOILERS OR STEAM
GENERATORS."

Applicant : THE BABCOCK & WILCOX COMPANY,
OF 1010 COMMON STREET, NEW ORIFANS, LA 70160
UNITED STATES OF AMERICA.

Inventors : 1. KIPIN CHARLES ALEXANDER 2. FELIX
BELIN 3. DAVID ERIC JAMES 4. DAVID JUDSON
WALKER.

Application No- 267/Cal/1993 filed on 11th May, 1993.

Appropriate office for opposition proceedings (Rule 4,
Patent Rule 1972) Patent Office Calcutta.

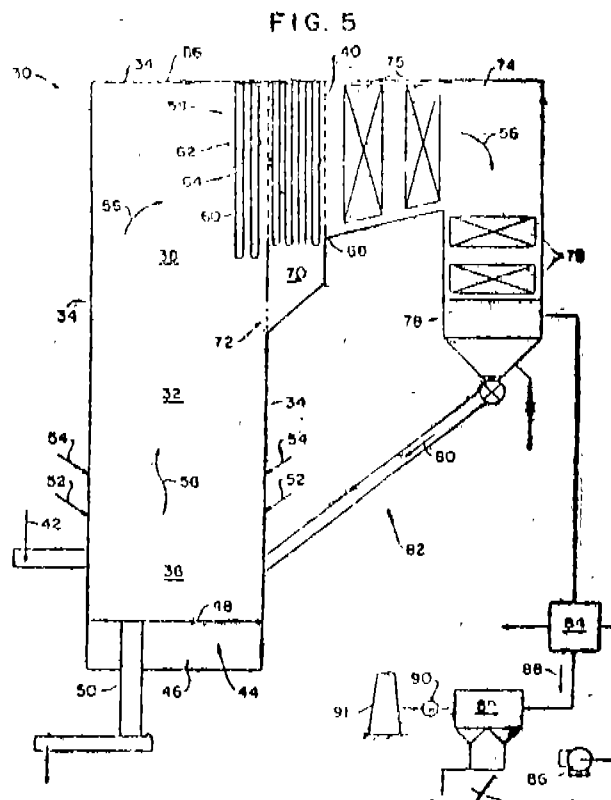
A circulating, fluidized bed reactor (30) particularly for use in boilers or steam comprising :

a reactor enclosure (32), having front, rear and side enclosure walls (34), a lower portion (36), an upper portion (38), and an exit opening (40) in the upper portion (38);

a primary impact type particle separator (58) mounted within the upper portion (38) of the enclosure (32) for collecting entrained particles within a gas flowing within the reactor enclosure (32) from the lower portion (36) to the upper portion (38) thereof, and causing them to fall towards the lower portion of the enclosure;

cavity means (70), connected to the primary, impact type particle separator (58) and housed entirely within the reactor enclosure (32), for receiving the collected particles as they fall from the primary, impact type particle separator (58); and

returning means (72), connected to the cavity means (70) and located entirely within the reactor enclosure (32), for returning particles from the cavity means (70) directly and internally into the reactor enclosure (32) so that they freely fall unobstructed and unchanneled down along the enclosure walls (34) to the lower portion (36) of the reactor enclosure (32) for subsequent recirculation.



(Compl. Specn. : 26 Pages;

Drgns. : 10 Sheets)

Int. Cl.⁴ : C 07 C 37/08, 45/51

179144

"AN IMPROVED METHOD FOR THE DECOMPOSITION
OF CUMENE HYDROPEROXIDE."

Applicant : 1. GENERAL ELECTRIC COMPANY OF
1 RIVER ROAD SCHENECTADY, STATE OF NEW
YORK 12345, UNITED STATES OF AMERICA.

2. ILLA INTERNATIONAL LTD., OF NPO-LENNEF-
TEKHIM, 40 ZHELEZNODOROHNY PR. 193148 ST.
PETERSBURG, RUSSIA.

Inventor : VLADIMIR MICHAILO ZAKOSHANSKY.

Application No. : 290/Cal/1993 filed on 25th May, 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

15 Claims

An improved method for the decomposition of cumene hydroperoxide by acidic catalyst to phenol and acetone in at least one decomposition reactor which comprises decomposing cumene hydroperoxide in a non-isothermal manner in the presence of excess acetone whereby the molar ratio of acetone to phenol in said decomposition reactor is, from 1.1:1 to 1.5:1 and wherein the quantity of CHP remaining after decomposition is from 0.3 to 1.5 wt. % of the total weight of the decomposition products.

(Compl. Specn. : 25 Pages: Drgns. : 1 Sheet)

Cl. : 128A G 179145

Int. Cl.¹ : A 61 F 13/20

"WOUND DRESSING."

Applicant : JOHNSON & JOHNSON MEDICAL, INC., OF 2500 ARBROOK BOULEVARD, ARLINGTON, TEXAS 76014 UNITED STATES OF AMERICA.

Inventor : PETER STUART ARNOLD.

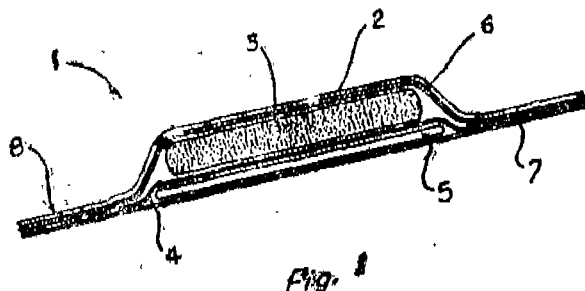
Application No. : 698/Cal/1993 filed on 16th November, 1993.

(Convention No. 9224592.7 on 23-11-92 in U.K.).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

16 Claims

A wound dressing optionally having a wound contact layer, said dressing comprising a water permeable molecular filtration membrane, having a maximum pore size in the range of from 0.001 μ m to 0.5 μ m.



(Compl. Specn. : 16 Pages; Drgns. : 1 Sheet)

Cl. : 32 3 (C) 179146

Int. Cl. : C 07 C 69/34

"A PROCESS FOR PREPARING ESTER COMPOUNDS USED AS SPIN FINISHES."

Applicant : HOECHST AKTIENGESSELLSCHAFT, D-65927 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY.

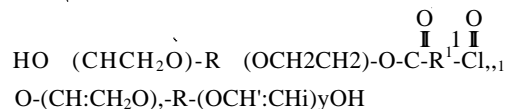
Inventors : 1. FRANK WEINELT 2. LOTHAR JAECKEL 3. JOHANNES BALEKDIJAN.

Application No. : 811/Cal/1993 filed on 23rd December, 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

i Claims

A process for preparing an ester compound used as spin finishes of the formula I below



in which

R is an ethylene radical or an alkylene radical which has 2 to 4 carbon atoms in the alkylene chain and is substituted by one or more alkyl substituents, the alkyl substituent being methyl, ethyl, propyl or isopropyl, X plus Y is 2 to 35, neither X nor Y being zero,

R¹ is $-\text{[CH}_2\text{]}_n$ in which z is zero or an integer from 1 to 12, or in a phenylene radical or vinylene radical, and

m is 1 to 30

which comprises esterifying a diol of the formula II below $\text{HO}-\text{CH}_2\text{CH}_2\text{O})-\text{R}-(\text{OCH}_2\text{CH}_2)_n-\text{OH}$

in which R, x and y have the meaning given herein before with a dicarboxylic acid of the formula III below $\text{HOOC}-\text{R}'-\text{COOH}$

in which R¹ has the meaning given herein before in a molar ratio of 1 : (0.25 to 1)

wherein esterification is carried out in an inert atmosphere at a temperature of 170—230°C in the presence of a weakly acid catalyst as herein described in an amount of 0.03 to 0.5% by weight with regard to the whole mixture and upto an acid number of the esterification product of less than 5.

(Comp). Specn. : 15 Pages; Drgns : Nil)

Cl : 77 D 179147

Int. Cl. : C 11 B 3/02

"PROCESS OF DEGUMMING VEGETABLE OIL."

Applicant : METALLGESELLSCHAFT AKTIENGESSELLSCHAFT, OF EUTERWEG 14, D-60363 FRANKFURT AM MAIN GERMANY.

&

ROHM GMBH CHEMISCHE FABRIK, OF KIRSCHENALLEE, 64293 DARMSTADT, GERMANY.

Inventors : 1. DR. HENNING BUCHOLD 2. DR. RUDOLF BOENSCH 3. DR. JOERG SCHROEPPEL.

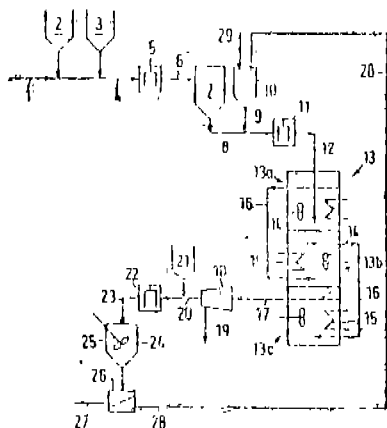
Application No. : 39/Cal/1994 filed on 24th January, 1994.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

7 Claims

A process of degumming such as soya bean, rapeseed oil, comprising in adjusting, the pH from 3 to 5 of the vegetable oil, dispersing an aqueous enzyme solution which contains one of the enzymes phospholipase A1, A2 or B, in the oil, allowing the enzymes to act in the oil at temperatures from 20 to 90°C in a degumming reactor with stirring, separating the degummed oil from the liquid, which has been withdrawn from the degumming reactor, characterised in adding a separation promoter or a solubilizer such as herein described to the liquid withdrawn from the degumming reactor at temperatures from 20 to 90°C before or after the degummed oil is separated and a substantially sludge free aqueous solution which contains used enzymes in recovered recycling at least in part to a location proceeding the degumming reactor and is dispersed in the oil that is to be degummed, wherein the content of recycled used enzymes in the total amount of enzymes dispersed in the oil is at least 10%, said separation

promoter or the solubilizer being added at a rate of 0.1 to 100 g per liter of the liquid.



(Compl. Specn. : 14 Pages; Drgns. : 2 Sheets)

Cl. : 27 1

179148

Int. Cl. : E 04 D 7/00 ,

A PROCESS FOR PRODUCING AN IMPROVED WATER PROOFING AND HEAL INSULATION SYSTEMS FOR ROOF OR LIKE STRUCTURES.

Applicant & Inventor : ANIL KRISHAN KAR, OF BC-192 SALT LAKE CITY, CALCUTTA-700 064.

Application Nil, : 153/Cal/1994-filed on 11th March, 1994.

Appropriate Office for, Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

Claims. 25

A process for producing an improved heat insulation/ reflective and waterproofing system on substrate such as herein described comprising ;

providing atleast one heat insulation/reflective layer on said substrate in combination with a waterproofing material;

said heat insulation/reflective layer provided as a layer of foamed plaster/concrete and/or rigid light weight material defining foamed cellular/porous regions therein; and

providing said waterproofing material integrally with said heat insulation/reflective layer or separately in the form of atleast one layer of said waterproofing material preceding and/or following said insulating/reflective layer to fill the foamed/cellular/porous regions of the heat insulating layer; and if desired,

providing a further reflective top surface in the form of a composite plaster/plant- type material.

Compl, Specn : 20 pages Drgns Nil.

Cl. : 40 F

179149

PROCESS OF TREATING THE GASIFICATION RESIDUE FORMED BY THE GASIFICATION OF SOLID FUELS IN A FLUIDIZED BED.

Applicant : METTALLGESELLSCHAFT AKFIENGESELLSCHAFT, OF REUTERWEG 14, D-60323 FRANKFURT AM MAIN, GERMANY.

Inventors : (1) DR. PETER HERBERT
(2) DR. RAINFR RFIMERT
(3) DR. MICHAEL STRODER.

Application No. : 417/Cal/1994 filed on 6th June, 1994.

Appropriate Office for Opposition Proceeding (Rule 4, patent Rule 1972), Patent Office Calcutta

Claims 5

A process of producing sulphur free gasification residue comprising treating a gasification residue that is formed by the gasification of sulfur-containing granular fuel selected from the group consisting of coal lignite and peal, said granular fuel being gasified in a fluidized bed reactor at a temperature from 700 to 1100°C by feeding an oxygen-containing fluidizing gas into said reactor, and feeding into said reactor at least one alkaline earth metal carbonate of alkaline earth metal oxide for effecting at least a partial desulfurization of a product gas, by gasification said product gas and said gasification residue being formed, said process comprising the steps of :

(a) withdrawing atleast a portion of said gasification residue from the lower part of said reactor, said withdrawn residue containing ash, 8 to 80 percent by weight coke, 2" to 45 percent by weight alkaline earth metal sulfide, and 1 to 25 percent by weight alkaline earth metal oxide and cooling said withdrawn residue to a temperature in the range of 5 to 80°C.

(b) feeding the cooled residue from step (a) into a mixing zone and mixing it with an aqueous solution of carbonic acid or sulfuric acid, reacting said residue with said acid and producing alkaline earth metal salt and a gas which is rich in H₂, withdrawing said gas from said mixing zone;

(c) from the mixing zone of step (b) withdrawing a remaining gasification residue, said remaining residue, containing ash, coke and alkaline earth metal salt, supplying said remaining residue into floatation zone, feeding a gas and a vegetable oil or mineral oil into said floatation zone and forming a coke-containing froth in said floatation zone, withdrawing said coke-containing froth from said floatation zone and supplying at least a portion of said withdrawn coke into said fluidized bed reactor; and

(d) withdrawing from said floatation zone a suspension containing ash and alkaline earth metal, and dewatering said suspension.

Compl. Specn. : 11 pages Drgns. : 1 sheet

Cl. : 155A

179150

Int. Cl. : B 29 C 63/30.

PROCESS AND DEVICE FOR PRODUCTION OF A COMPOSITE THREAD.

Applicant : VETROTEX FRANCE, OF 130 AVENUE DES FOLLAZ, 73000, CHAMBERY, FRANCE.

Inventors 1. GIURDONO RONCAIO
2. DOMINIQUE LOUBINOX
3. PHILIPPE BOISSONNAT

Application No. : 697/Cal/1993 filed on is November 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta,

Claims 11

Process for the production of a composite thread (6), formed by the association of continuous glass filaments (2, 14, 19, 24, 26) comprising the steps of :

Issuing continuous glass filaments [2, 14 19. 24, 26) from a die (1);

Issuing from at least one drawing head continuous filaments of thermoplastic organic material (5, 10. 18, 23, 25) and

Mixing the thermoplastic filaments (10, 18, 23) and the glass filaments characterised in that the speed of the thermoplastic filaments (10, 18, 23) when they penetrate into the bundle or sheet of glass filaments (2, 14, 19, 24) is greater than the speed of drawing of a glass filaments (2, 11, 19, 24, 26).

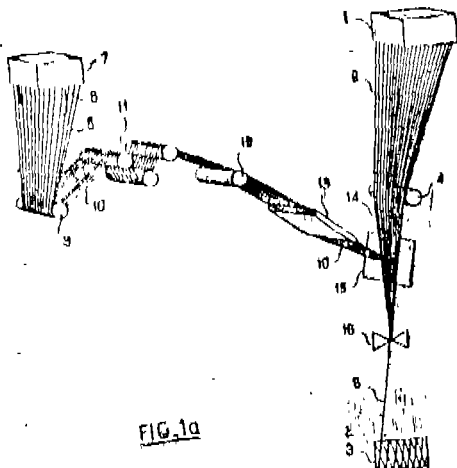


FIG. 1a

(Compl. Specus : ————— Drgns : ———)

Ind. Cl. : 152-E 179151
Int. Cl.⁴ : C 08 I 77/00.

"A PROCESS FOR PRODUCING A SYNTHETIC POLYAMIDE COMPOSITION WITH IMPROVED DYE-ARILITY".

Applicant : SANDOZ LTD., OF CH-4002 BASLE, SWITZERLAND.

Inventors (1) DR. RANSI LAL KAUI.
(2) DR. ANGELOS-ELIE VOUGIOUKAS.

Application No. 732/Mas/90 filed on 17th September, 1990.

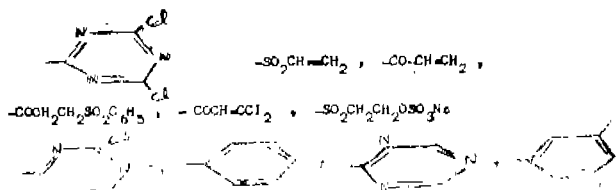
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

2 Claims

A process for producing a synthetic polyamide composition with improved dyeability comprising mixing synthetic polyamide such as herein described with 0.5 to 5% by weight of one or more compound of general formula

wherein R₂ is a group containing a sterically hindered amine such as herein described : n is 1, 2, or 3 ;

X is the direct bond or a -O-, -CO-, -CONH- or -NH-bridging member and R₂ is selected from



Agent : Depenning & Depenning;

Ref. : Cited 4292240.

(Compl. Specns. 58 pages; Drgns. 0 Sheets)

"Ind. Cl. : 39 L

179152

Int. Cl.⁴ : C 01 B 15/037.

"A STABILIZER COMPOSITION FOR STABILISING AQUEOUS HYDROGEN PEROXIDE."

Applicant : INTEROX CHEMICALS LIMITED, A LIMITED LIABILITY COMPANY REGISTERED IN ENGLAND, OF 3 BEDFORD SQUARE, LONDON W0 1B 3RA, ENGLAND.

Inventor : (1) COLIN FRFDEKICK MC DONOGH, ENGLAND.

Application No. : 738/Mas/90 filed on 18th September, 1990

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972). Patent Office, Chennai Branch.

7 Claims,

A stabilizer composition for stabilising aqueous hydrogen peroxide solutions containing at least 1% v/v sulphuric acid, said composition comprising hydrofluoric acid hydroxybenzoic acid and an N-alkoxyphenyl-acetamide, the concentration of hydrofluoric acid being selected in the range of from 0.5% to 10% w/w and the concentration of each of the hydroxybenzoic acid and N alkoxyphenyl-acetamide being unto saturation.

Agent : Deperining; & Depenning.

(Compl. Specons. ; 15 pages; Drgns. Sheet Nil)

Ind. Cl. : 116 G 179153
Int. Cl.⁴ : B 66 B 13/00.

"AN APPARATUS FOR AUTOMATICALLY OPERATING ELEVATOR CAR DOORS".

Applicant : INVENTIO AG, OF SEESTRASSE, 55 CH-6052 HERGISWIL, SWITZERLAND, A SWISS COMPANY.

Inventor : (1) MARK HECRIER.

Application No. : 848/Mas/90 filed on October 24, 1990,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972), Patent Office, Chennai Branch.

5 Claims

An apparatus for automatically operating elevator car doors comprising door leaves moving means for moving the door leaves a car door by way of entraining members on the car door leaves between a closed position and an open position and control means* for permitting the car door leaves to stop in any position between the end position in the same direction or the reverse direction, said control means comprising generating means for generating a regulating error difference signal "dV", representing a difference between a desired speed of door closing and an actual speed of door closing; produced by an external interference force acting upon car door leaves of a closing elevator door, comparing means for comparing a value of said difference signal "dV" with a value of a predetermined tolerance signal "dV max"; means for initiating stopping-and reversing of direction of the closing car door leaves when a value of said difference signal "dV" exceeds a value of said predetermined tolerance signal "dV max" and a further generating means for generating respective positive and negative tolerance curves

(Compl. Specns. : 18 pages; Drgng. : 6 Sheets)

Ind. Cl. : 127 I, 203

179154

Int. CV : B 65 H 35/00, 49/00,

"AN APPARATUS FOR DESPENSING SHEETS".

Applicant : THEBOLD INCORPORATED 1995 MAY-FAIR ROAD, NORTH CANTON, OHIO 44/20 U.S.A, AN AMERICAN COMPANY

Inventors : (1) HAPRY T. GRALE
(2) DAMON J BLACKFORD,
(3) TIMOTHY R CREWS.

Application No. : 954/MAS 90 filed on 26th November, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972), Patent Office, Chennai Branch.

12 Claims

An apparatus for dispensing sheets comprising a storage means for storing sheets to be dispensed ; a receiving means accessible to a partron from which said sheets are received a stacking means for stacking individual Sheets into a stuck ;

a

said transport mechanism comprising generally planar surfaces, and at least three spaced apart, side by-side; endless drive belts; having an outer frictional surface, each of said drive belts having a portion thereof extending along said planer surface wherein said frictional surface of said belts are disposed opposing and generally parallel to said planar surfaces, said drive belts operable to drive said sheets along said planar surfaces by frictional engagement between said drive belts and said sheers; and a transfer means for transferring one or more of said sheets from said stacking means to said receing means.

(Compl. Specns. 50 pages Drgns. : 16 Sheets)

Ind. Cl. : 179 F

179155

Int. Cl.⁴ : 11 65 D 43/03,**"CHH D RESISTANT CLOSURE"**

Applicant : OWENS-ILLINOIS CLOSURE INC., ONE SEAGATE, TOLEDO, OHIO 43666. U.S.A.—ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OH DELAWARE.

Inventor : (1) MAXIMILLIAN KUSZ, U.S.

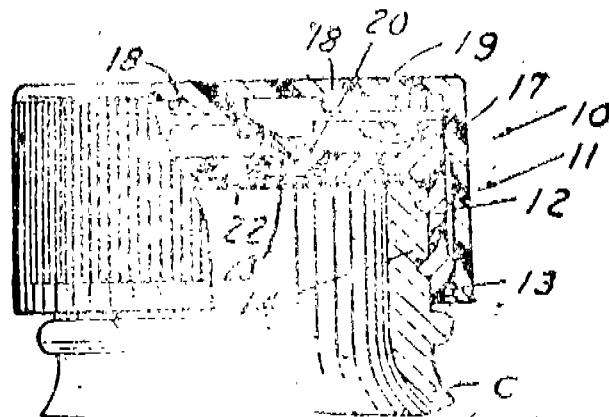
Application No. ; 50/Mas/91 filed on January 24, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972), Patent Office, Chennai Branch.

6 Claims

A child resistant clusure comprising outer (11) and inner (12.) nested closure members, each of which has a base wall (19, 21) on a peripheral skirt with sets of lugs (18, 17) on the inner surface of the outer closure member (11) and on the outer surface of the inner closure member (12) which are adapled to be engaged when the members (11, 12) are moved axially towards one another, the peripheral skirt of the inner closure member (12) (c) having, means (15) for threaded attachment to a container, the inner surface of the base wal (19) of the outer closure member (11) being formed with a plurality of integral spring fingers (22) yieldingly urging said outer closure member (11) away from said inner closure member (12) and said outer surface of the base wall (21) of the inner closure member (12) being provided with a plurality of ramps, (20), characterised in the said outer surface of the base wall (21) of the inner cosure member (12) is also provided with a plurality of processes (23), each said ramp (20) having a ramp surface extending axially outwardly from the outer surface of the base wall (21) of said inner closure member (12) and having and abutting surface (24) extending axially inwardly below the outer surface of the inner closure member (12)

and below adapted to be engaged by the ends of the spring fingers, each said recess (23) being associated with an adjacent ramp (20) and having an inclined surface extending axially inwardly from said outer surface (21) of said inner closure member (12) to said abutting surface (24) said ramp (20) to form said recess (23) said lamps (20) and recesses (23) being constructed and arranged such that (i) when the closure (10) is rotated to apply the closure, the spring figures (22) engaged the abutting surface (24) and engage the recesses (23) to orient the outer closure member (11) and inner closure member (12) such that the lugs (18) on the outer closure member (11) are aligned with the lugs (17) on the inner closure member (12) to prevent inadvertent engagement of the lngs (17, 18) by any top load, (ii) when the outer closure member (11) rotated relative to the inner closure member (12) the closure removing direction without bringing the lugs (17, 18), thereof into engagement the spring fingers (22) dip over the ramps (20) and the recesses (23) and allow the outer closure member (11) to rotate with respect to the inner closure member (12) and (iii) when the outer closure member (11) is rotated relative to the inner closure member (12) in the closure removing direction and moved axially relative to the inner closure member (12) the lugs (17, 18) are brought into engagement so that the closure can be removed from the container (c).



(Compl Specns. 14 pages;

Drgns. : 2 Sheets)

Ind. Cl. : 40-B

179156

Int Cl. : B 01 J 29/00.

"A PROCESS FOR THE PRODUCTION OF A CATALYST USEFUL IN THE SELECTIVE PRODUCTION OF PARADIALKYL SUBSTITUTED BENZENES".

Applicant : MOBIL OIL CORPORATION, 3225 GALLOWES ROAD, FAIRFAX, VIRGINIA 22037, U.S.A. A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK.

Inventors : (1) ROBERT PETER LEONARD ABSIL,
(2) SCOTT HAN,
(3) DONNA MITKO,
(4) CLARENCE DAYTON CHANG,
(5) DAVID OWEN MARLER,
(6) DAVID SAID SHIHABI.

Application No. : 178/Mas/91 filed on 1st March, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Ruled. 1972), Patent Office, Chennai Branch.

8 Claims

A process for the production of a catalyst useful in the selective production of para-dialkyl substituted benzenes, comprising the steps of : (a) starting with a zeolite having a Constraint Index of 1-12 which has bten produced from a forming mixture free of organic directing agent; (b) treading the zeolite with an organosilicon compound selected from a

silicone, a siloxane, an alkylsilane, an alkoxy silane, and a polysilane, and (c) heating the organosilicon-treated zeolite in an oxidizing environment to convert the organosilicon compound to silica.

(Compl. Specs. : 14 pages: Drgns : 0 Sheet)

Ind. Cl. : 164 C 179157

Int. Cl.⁴ : C 02 F 9/00.

AN IMPROVED SEWER SYSTEM.

Applicant : ULF PETER NILSSON OF P O. BOX 8, S-270 44 BROSARP SWEDEN AND FAKIL OLSSON OF SKEPPARGATAN 5 S-114 52 STOCKHOLM SWEDEN. BOTH CITIZENS OF SWEDEN.

Inventors : (1) ULF PETER NILSSON
(2) ESKIL OLSSON.

Application No 213/Mas/91 filed March 14, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

5 Claims

An improved sewer system comprising a sedimentation chamber (10), a liquid chamber (11) and an inlet conduit (21) connected to the sedimentation chamber (10), and a flow amplifier constricted as a siphon (13) provided in the liquid chamber, connected to an outlet pipe (12), said siphon being constructed in order to flush a predetermined volume of water out of the tank (14), characterized in that the siphon (13) is constructed as an inverted U with a first limb (17) opening at the bottom end thereof below the connection between the outlet conduit (12) and the siphon (13), and a second limb (18) open at the bottom end thereof above the level of the opening of the first limb (17) and above the connection between the siphon (13) and the outlet conduit (12), the limbs functioning as suction pipes, that an outlet pipe (19) extending along the limbs is connected to the upper portions of the limbs and that said second limb (20) the cross sectional area of which substantially exceeds the cross sectional area of the opening of the first limb (17).

(Compl 13 pages; Drwgs. 2 sheets)

Ind. Cl.: 185-E 179158

Int. Cl.⁴ : A 23 F 3. 1G

A PROCESS FOR THE PREPARATION OF WATER-SOLUBLE TEA EXTRACTS.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., A SWISS BODY CORPORATE OF CASE POSTALE 353, 1800 VEVEY SWITZERLAND:

Inventor : FLDON CHEN HSIUNG LEE,

Application No. 365/Mas/91 filed on 8th May 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch,

7 Claims

A process for the preparation of water-soluble tea extracts from spent tea residues obtained after aqueous extraction of tea leaves, the said process comprising hydrolysing the said spent tea residues in an aqueous medium containing 0.02% to 2.0% of cellulose based on the weight of water with a pH of 3 to 7 at a temperature of 30° to 65°C.

Agent : Depending & Depending.

(Compl. Specn. (2 pages; Drwg, Nil Sheet.)

Ind. Cl. : 185-E

179159

Int. Cl.⁴: A 23 F 3/18.

A PROCESS FOR THE PREPARATION OF WATER-SOLUBLE TEA EXTRACTS.

Appoint : SOCIETE DES PRODUITS NESTLE S.A., OF CASE POSTALE, 353. 1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND'.

Inventors : ELDON CHEN-HSIUNG LEE AND ERNEST KEMP GUM.

Application No. 366/Mas/96 filed on 8th May 1991,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

11 Claims

A process for the preparation of water-soluble tea extracts from spent tea residues obtained after the hot aqueous extraction of tea leaves, the said process comprising hydrolysing the said spent tea residues with an acid catalyst such as herein described at a temperature from 170° to 250°C and a pressure from 120 to 600 psig for a period of from. 5 to 120 seconds,

Agent : Depending & Depending.

(Compl. Specn. 10 pages; Drwg. Nil sheet.).

Ind. Cl. : 33-F & 136-F

179160

Int. Cl.⁴ ;B 22 C 9/00 & B 22 D 11/00.

A CASTING MOULD FOR THE CONTINUOUS CASTING OF THIN SECTIONS OF A CASTABLE MATERIAL.

Applicant : 1, DR. SUNDARESAN RAMACHANDRAN OF VIDYATHEERTHA KRIPA, 1 SIVASUNDAR AVENUE THIRUVANMIYUR, MADRAS-41.

2. MR. TIRUPONITURA VENKATARAMAN SURESH, OF 20A/2, SECOND CROSS STREET, TEACHER'S COLONY, JAYARAM NAGAR, THIRUVANMIYUR, MADRAS-41, BOTH ARE OF INDIAN AND ARE INDIAN CITIZENS.

Inventor, (1) DR. SUNDARESAN RAMACHANDRAN.

(2) MR. TIRUPONITURA VENKATARAMAN SURESH.

Application No. 674/Mas/91 filed on 9th September 1991.

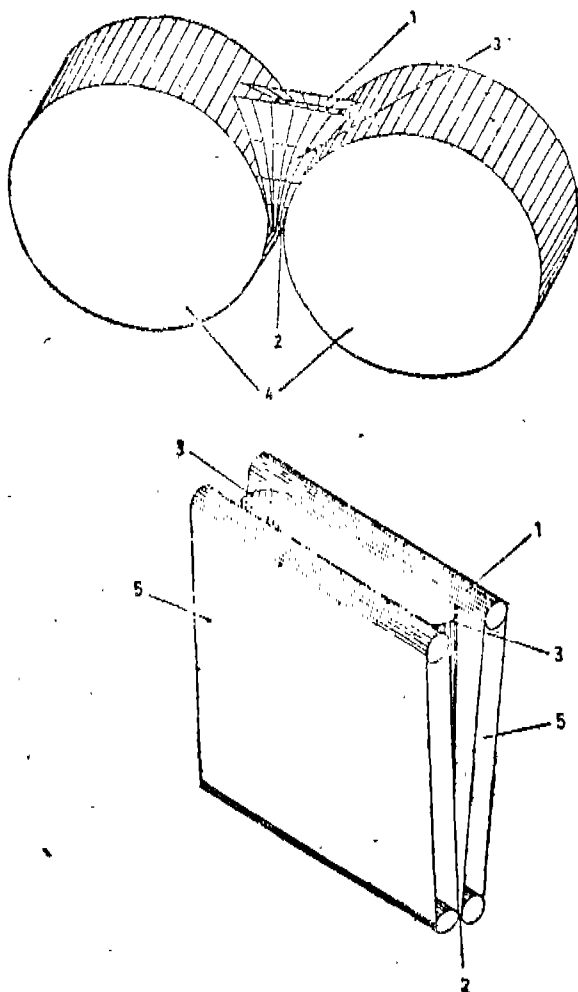
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

6 Claims

A casting mould for the continuous casting of thin sections of a castable material such as metals, heir alloys, plastic and the like comprising a filling end of relatively large cross section, tapered side walls terminating into the desired final cross section at an extraction end, the said taper being made such that the inner mould wall surface area per unit mould length remains constant within a tolerance of + 3% of the surface area per unit mould length and the ratio of

the cross section area of the filling end to the cross section area of the extraction end is between 1 to 1000.

Agent : Depenning & Depenning.



(Compl. Specn. 15 pages;

Drwngs, 4 sheets.)

Ind. Cl. : 94-E

179161

Int. Cl.⁴ : B 24 B 23/00.

AN IMPROVED WET GRINDER.

Applicant : THIRUMALAI ANANDAM PILLAI VIJAYAN, 12, 1ST-STREET, PARTHASARATHY NAGAR, ADAMBAKKAM MADRAS-88, TAMILNADU-600 088. AN INDIAN NATIONAL.

Inventor : THIRUMALAI ANANDAM PILLAI VIJAYAN.

Applicacon No. 771/Mas/90 filed on 1st October 1990,

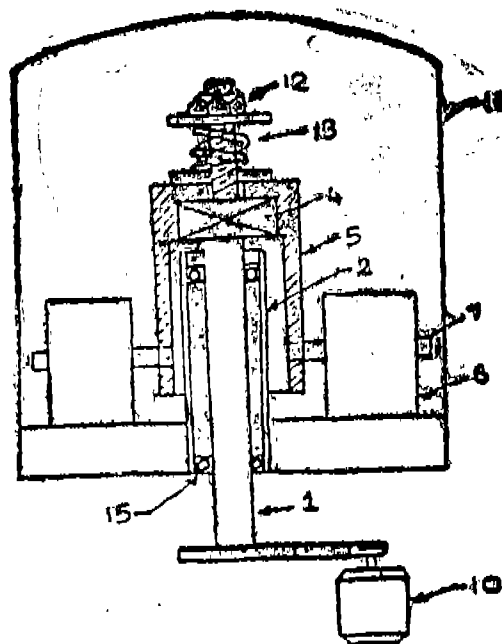
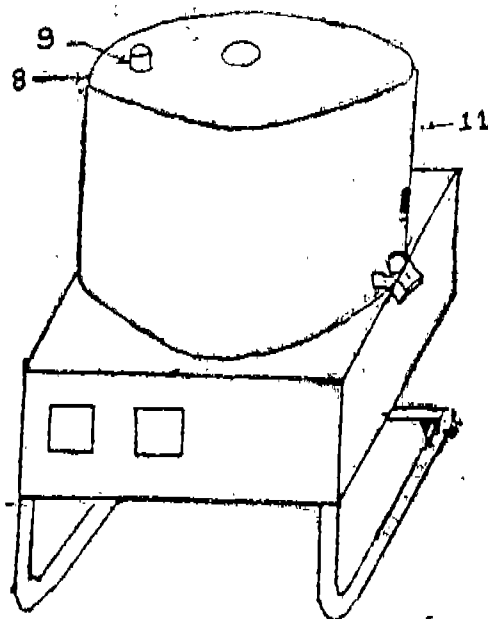
Compile Specification Left : 31st October 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 .Claims

An improved wet grinder comprising a grinding vessel with a floor formed of a circular flat stone, which is provided with a central hole, where through is disposed a projecting vertical fixed tube, the said vertical tube having on its inside

on both ends a bearing, the said bearing supporting rotatably a shaft, the said shaft having on its lower end a pulley for gear) for a electric motor drive, the said shaft projecting above the said vertical fixed tube, the said shaft having an expanded squared head and a top screw, the said squared head having on its outside a rotating roller tube, the said roller tube is provided with a squared profile to fit the outside of the said squared head in its upper end and the lower part of the said roller tube having one or more connecting rods, the said connecting rods being provided with a roller stone on a bush, the said outer roller tube having one or more circulator stoppers disposed at right angles to the said roller if one, the said roller tube having above its top a detachable tension spring placed around the top screw of the said shaft, the said spring having above it a locknut to fit the top screw of the said shaft, the said grinding vessel being provided with a transparent lid, the said lid being provided with a grain feeding hopper inlet, the said vessel having a drain at the top level of the flat circular stone, the said drain being provided with a detachable cover, the said grinding vessel with the electrical motor is enclosed in a frame.



(Compl. Specn. 4 pages;

Drwng. 1 sheet.)

Ind.Cl. : 25-A

179162

Int. Cl.⁴ : B 32 B 18/00.

A PROCESS FOR THE MANUFACTURING OF FLY ASH BASED CERAMIC WALL TILES AND TILES THUS MANUFACTURED.

Applicant : CENTRAL POWER RESEARCH INSTITUTE, MATERIALS TECHNOLOGY & ENERGY DIVISION, BANGALORE-560 094, KARNATAKA, INDIA, A GOVERNMENT OF INDIA SOCIETY.

Inventor, (1) PUTHEN MADOM RAMA IYER KRISHNAMOORTHY,
(2) BAL KRISHNA CHATURVEDI,

Application No 936/Mas 90 filed on 22nd November 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

5 Claims

A process for the manufacturing of fly ash based ceramic wall tiles comprising the steps of crushing and grinding clays; mixing the around clay with crushed feldspar (10—20% by wt.), crushed pyrophyllite (5—10% by wt.) and fly ash (40—60% by wt.), the mixture so obtained being finally wet ground; spray drying or granulating the ground mixture after removal of water therefrom, the resulting mixture being thereafter shaped into tiles in presses; drying the tiles and then putting the same in a drying train through a tunnel having a temperature gradient of 50°C to 110°C, the first firing being carried out thereafter at 1000°C—1150°C; glazing the tiles and glost firing the same at 950°C to 1050°C.

Compl. Specn, 10

pages;

Drwng. 1 sheet.

Ind. Cl. : 25 A

179163

Int. Cl.⁴ : B 32 B 18/00,

A PROCESS FOR THE MANUFACTURE OF FLY ASH BASED CERAMIC FLOOR TILES AND TILES THUS MANUFACTURED.

Applicant : CENTRAL POWER RESEARCH INSTITUTE, MATERIALS TECHNOLOGY & ENERGY DIVISION, BANGALORE-560094, KARNATAKA, INDIA.

Inventors :

- (1) DR. PUTHEN MADOM RAMA IYER KRISHNAMOORTHY.
- (2) DR. BAL KRISHNA CHATURVEDI.-

Application No. 937/Mas/90 filed 22nd November 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch,

5 Claims

A process for the manufacture of fly ash based ceramic floor tiles comprising the steps of crushing and grinding clays; mixing the ground clay with crushed feldspar (10—20% by wt.) and flyash (40—60% by wt.) the mixture obtained being finally wet ground; spray drying or granulating the ground mixture, after removal of water therefrom, the resulting mixture being thereafter shaped into tiles in presses; drying the tiles and then putting the same in a drying train through a tunnel having a temperature gradient of 50°C to 110°C, the first firing being carried out thereafter at 1000°C—1150°C; glazing the tiles thereafter and glost firing the same at 950°C to 1050°C.

(Compl, 10

pages;

Drgs.

1 Sheet.)

Ind. CL : 25-A

179164

Int. Cl. :B 32 B 18/00.

A PROCESS FOR THE MANUFACTURE OF FLY ASH BASED CERAMIC ACID RESISTANT BRICKS/TILES AND BRICKS/TILES THUS MANUFACTURED.

Applicant : CENTRAL POWER RESEARCH INSTITUTE, MATERIALS TECHNOLOGY & ENERGY DIVISION, BANGALORE-560 094, KARNATAKA, INDIA A- GOVERNMENT OF INDIA SOCIETY.

Inventors : I. POTHEEN MADOM RAMA IYER KRISHNAMOORTHY, 2. BAL KRISHNA CHATURVEDI.

Application No. 938/Mas/90 tiled on 22nd November 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Madras Branch.

5 Claims

A Process for the manufacture fly ash based ceramic acid resistant bricks/files comprising the steps of crushing and grinding clays; mixing the ground clay with flint, crushed glass (5-10% by wt.), crushed feldspar (10-20% by wt.) and fly ash (40-60% by wt.), the mixture so obtained being finally wet ground; spray drying or granulating the wound mixture, after removal of water therefrom, the resulting mixture being thereafter shaped into bricks/tiles in presses; drying the bricks/tiles and then putting the same in a drying train through a tunnel having a temperature gradient of 50°C to 110°C, and firing the same at 1000°C-1250°C.

(Com. 10 pages;

Drgs. 1 sheet)

Ind. Cl. : 104-F

179165

Int. Cl.¹ : C 08 L 7/00.

A RUBBER COMPOSITION.

Applicant : THE YOKOHAMA RUBBER CO., LTD. OF 36-11, SHINBASHI 5-CHOME, MINATO-KU, TOKYO JAPAN. A JAPANESE CORPORATION.

Inventors : 1. SHIGERU SHINODA, 2. MASAYOSHI DAIO.

Application No. 360/Mas/91 filed on 6th May 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Madras Branch,

6 Claims

A rubber composition comprising :

- (1) 100 parts by weight of a natural rubber alone or in combination with a synthetic isoprene rubber;
- (2) 1.0-5 parts by weight of partial condensates of hexamethylolmelamine pentamethylether based on said rubber;
- (3) 0.5-5 parts by weight of cresol resin based on said rubber;
- (4) 4-7 parts by weight of sulfur based on said rubber; and
- (5) 0.1-0.8 parts by weight of cobalt salts of organic acid informs of cobalt clement based on said rubber.

(Com. 15 pages;

Drwgs.

0 Sheets)

Ind. Cl.: 164-C

179166

Int. Cl.: C 02 F 3/12.

APPARATUS FOR THE PURIFICATION OF LIQUID.

Applicant: DHV WATER BV, OF LAAN 1914, NO. 35, 3818 EX AMERSFOORT, THE NETHERLANDS, (A DUTCH COMPANY).

Inventors: JACOBUS DIJKHORST.

Application No. 642/Mas/91 filed on 27th August 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

Apparatus for the purification of liquid, in particular waste water, comprising a reservoir including a primary circulation system for the liquid therein, an influent supply and effluent discharge connected to the reservoir, propulsion means for circulating the liquid in the circulation system and an aerating means for introducing oxygen into the liquid, the reservoir being equipped with a denitrification space connecting with the remainder of the reservoir through an inlet and outlet and to which the influent supply connects, and wherein a secondary circulation system is formed within the denitrification space having its own propulsion means.

(Com. 14 pages;

Drwg,

1 Sheet)

Ind. Class—32—F₃(a.)

179167

Int. Cl.⁴—C 07 D 493/00

A PROCESS FOR THE PREPARATION OF 14-B—HYDROXY-10-DEACETYLBACCATIN III DERIVATIVES.

Applicant: Dr. REDDY'S RESEARCH-FOUNDATION, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 7-1-27, AMEERPET, HYDERABAD-500 016, A.P., INDIA.

Inventors: (1) DUVVURI SUBRAHMANYAM, INDIA.

(2) VEDULAL MANOHARA SHARMA, INDIA.

(3) PURANIC RAMACHANDRA, INDIA.

Application & Provisional Specification No. 685/MAS/94 dated July 22, 1994.

Complete Specification left: September 28, 1995.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A process for the preparation of 14-B-hydroxy-10-deacetylbaccatin III derivatives of the formula 4 shown in the drawing accompanying this specification wherein R³ represents (C₁C₈) lower alkyl or phenyl group, the phenyl group may be substituted which may be mono, di or trisubstituted, the substituents may be halo, aryl (C₁C₈) lower alkyl,

(C₁C₈) lower alkoxy, or haloalkoxy and R⁴, R⁵ a 6 represents (C₁C₈) lower alkyl or phenyl, tri (alkyl or phenyl) silyl or haloalkoxy, acyl, alkanoyl having 2 to 9 carbon atoms, phenyl group which may be unsubstituted or substituted with mono, di or trisubstituted, and R⁶ can also represent a formula COCHR'' CHR''' R'''' or in its cyclic form having the formula.7 where each R'' & R''' is hydrogen, hydroxy, (C₁C₈) lower alkoxy or amido group such as NHCOR where R represents mono or a or trisubstituted (C₁C₈) alkyl or phenyl which may be substituted, the substitution may be mono or di or trisubstituted and R'''' represents hydrogen, (C₁C₈) lower alkyl or phenyl which may be substituted which may be mono or di or trisubstituted; which comprises,

(a) Protecting the hydroxyl groups present at C-7 and C-10 carbon atoms in the compound of the formula 3 where R³ has the meaning given above, by conventional methods, to get a compound of the formula 4 where R⁶=H and R³ R⁴, R⁵ have the meaning given above,

(b) reacting the C-7, C-10 Protected compound of the formula 4 where R⁶=H and R³, R⁴, R⁵ have the meaning described above, with an agent having the formula 6 where X represents hydroxyl or halogen and R⁶ has the meaning given above in the presence of a base and an organic solvent at ft temperature in the range of 0°C to 130°C and recovering the compound of the formula 4 formed from the reaction mixture by known methods.

(Com.-19 pages:

Drwgs.-2 sheets)

Ind. Class: 32-F3 (a) & (d)

179168

Int. Cl.⁴: C-07 D 325/00

A PROCESS FOR THE PREPARATION OF SUBSTITUTED BENZODIOXAN-2-yl, 1, 2, 3, 4-TETRAHYDRONAPHTH-2-yl, BENZOPYRAN-2-yl, AND BENZOPYRAN-2-yl, COMPOUNDS,

Applicant: THE BOOTS COMPANY PLC, A BRITISH COMPANY, OF 1, THANE ROAD WEST, NOTTINGHAM NG2 3AA NOTTS, ENGLAND.

Inventors: (1) FRANK KERRIGAN, (2) DAVID JOHN HEAL, (3) KEITH FRANK MARTIN.

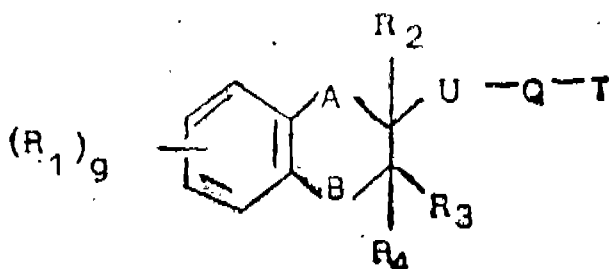
Application No. 843/Mas. 94 dated August 31, 1994,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

2 Claims

A process for the preparation of substituted benzodioxan 2-yl, 1, 2, 3, 4-tetrahydronaphth-2-yl, benzopyran-2-yl and

benzopyran-3-yl compounds of formula I



including pharmaceutically acceptable salts thereof in which

A is methylene or —O—;

B is methylene or —O—;

8 is 0, 1, 2, 3 or 4;

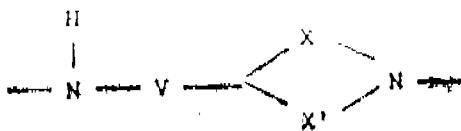
R₁ represents (a) halo, (b) an alkyl group containing 1 to 3 carbon atoms optionally substituted by one or more halo, (c) an alkoxy group containing 1 to 3 carbon atoms optionally substituted by one or more halo, (d) an alkylthio group containing 1 to 3 carbon atoms optionally substituted by one or more halo, (e) hydroxy, (f) an acyloxy group containing 1 to 3 carbon atoms, (g) hydroxymethyl, (h) cyano, (i) an alkanoyl group containing 1 to 6 carbon atoms, (j) an alkoxy-carbonyl group containing 2 to 6 carbon atoms, (k) a carbamoyl group or carbamoylmethyl group each optionally N-substituted by one or two alkyl groups each containing 1 to 3 carbon atoms, (l) a sulphonyl or sulphonylmethyl group each optionally N-substituted by one or two alkyl groups each containing 1 to 3 carbon atoms, (m) an amino group optionally substituted by one or two alkyl groups each containing 1 to 3 carbon atoms; or two adjacent R₁ groups together with the carbon atoms to which they are attached form a fused benz ring, the substituents represented by R₁ being the same or different when 8 is 2, 3 or 4.

R₂ is H, an alkyl group containing 1 to 3 carbon atoms, or an alkoxy group containing 1 to 3 carbon atoms;

R₃ and R₄, which are the same or different are H, or an alkyl group containing 1 to 3 carbon atoms;

U is an alkylene chain containing 1 to 3 carbon atoms, optionally substituted by one or more alkyl groups containing 1 to 3 carbon atoms;

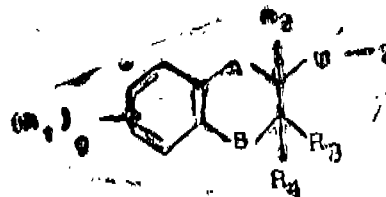
Q represents a divalent group of formula IIa.



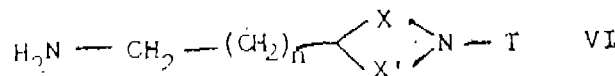
in which V is (CH₂)_{n+1} wherein n is 0, 1 or 2,

X' is an alkylene chain containing 0 to 2 carbon atoms and X is an alkylene chain containing 1 to 4 carbon atoms provided that the total number of carbon atoms in X and X' amounts to 3 or 4; and

T represents an aromatic group optionally containing one or more N atoms and optionally substituted by one or more substituents selected from halo, an alkyl group containing 1 to 3 carbon atoms, an alkoxy group containing 1 to 3 carbon atoms, or a polyhalogenated alkyl group, or T represents benzo [b] furanyl or benzodioxanyl with the proviso that when A is —O— T is other than substituted or unsubstituted 2-pyrimidinyl, 2-imidazolyl, 1, 3, 5-triazin-2-yl or 1, 3, 4-triazin-2-yl; said process comprising beating a compound of formula VII.



in which Z is a leaving group, such as toluene-4-sulphonyloxy, with a compound of formula VI.



in which n is 0, 1 or 2, optionally in the presence of a base, such as potassium carbonate, and a suitable solvent, such as acetonitrile.

(Com. - 99 pages)

Ind. Class—32-F₂(b)

179169

Int. Cl⁴—C 07 D 471/00

A PROCESS FOR THE PREPARATION OF 1,2,4-TRIAZOLO (1,5-a) PYRIMIDINE COMPOUNDS.

Applicant : THE BOOTS COMPANY PLC., A BRITISH COMPANY OF 1, THANE ROAD WEST, NOTTINGHAM, NG2 3AA, NOTTS, ENGLAND, UNITED KINGDOM.

Investors : (1) DAVID JOHN HEAL,
(2) MARIA ISABEL FERNANDEZ,
(3) BRUCE JEREMY SARGENT,

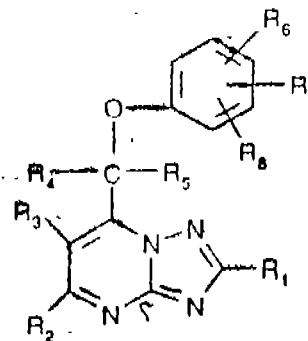
Application No. 982/MAS/94 dated October 11, 1994.

Convention date : October 13, 1993: (No. 9321162.1: Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A process for the preparation of 1,2,4-triazolo (1,5-a) pyrimidine compounds of formula I



including pharmaceutically acceptable salts thereof and stereoisomers thereof

in which :

R_1 represents H or one of the following groups (optionally substituted with one or more of halo, cyano, hydroxy or amino) : C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} alkanoyl; or C_{1-6} alkanoyl;

R_2 and R_3 independently represent H or one of the following groups (optionally substituted with one or more of halo, cyano, hydroxy or amino) : C_{1-6} alkyl, C_{1-6} alkoxy, C_{1-6} alkanoyl, C_{1-6} alkylthio, C_{1-6} alkylsulphanyl or C_{1-6} alkylsulphonyl;

R_4 and R_5 independently represent H, C_{1-6} alkyl or R_1 and R_5 combined together with the carbon atom to which they are attached represent C_{3-6} cycloalkylidene (each alkyl or cycloalkylidene being optionally substituted with one or more of halo, cyano, hydroxy, amino or C_{1-6} alkyl); and

R_6 , R_7 and R_8 independently represent H, halo, hydroxy, mercapto, cyano or one of the following groups (optionally substituted with one or more of halo, cyano, hydroxy or amino; and any nitrogen atom being optionally substituted with one or more C_{1-6} alkyl); C_{1-6} alkyl, C_{1-6} alkanoyl, C_{1-6} alkoxy, C_{2-6} alkoxycarbonyl, carboxy, C_{1-6} alkanoyloxy, C_{1-6} alkylthio, C_{1-6} alkylsulphanyl, C_{1-6} alkylsulphonyl, C_{1-6} alkylsulphonylamino, sulphamoyl, carbamoyl, C_{2-6} alkylcarbamoyl or C_{1-6} alkanoylamino;

with the proviso that if

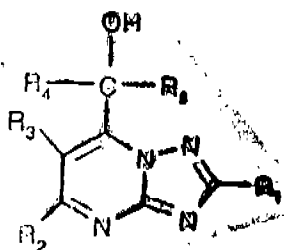
R_1 , R_2 , R_3 , R_4 and R_5 are all H;

R_5 is methyl and either;

R_6 and R_7 are both H; or;

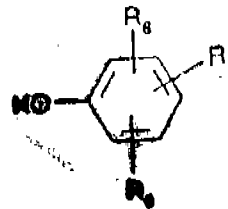
R_6 is 4-chloro and R_7 is H or 2-chloro;

the compound of formula I is not a racemate; said process comprising the coupling of alcohols of formula XVI



XVI

in which R_1 , R_2 , R_3 , R_4 and R_5 are as defined above,—with phenols of formula—XVII



XVII

in which R_6 , R_7 and R_8 are as defined above, in the presence of a suitable coupling agent, such as diethylazodicarboxylate with triphenylphosphine, and in the presence of a suitable solvent, such as dry tetrahydrofuran, at ambient temperature until no starting alcohol remains, and thereafter recovering the compound of formula I by known means and converting the same to pharmaceutically acceptable salts, if desired, by known methods.

(Com.—72 pages)

Ind. Class - 77 C

179170

Int. Cl.⁴ : A 23 D 5/00,

A PROCESS FOR THE CATALYTIC INTERESTERIFICATION OF TRIGLYCERIDES

Applicant : ENGELHARD DE MEERN B. V., STRIJ-KVIERTEL 67, 3454 PK DH MEERN, THE NETHERLANDS. A DUTCH COMPANY.

Application No. J182/Mas/94 dated November 29, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent office, Chennai Branch.

Claims 11

A process for the catalytic interesterification of triglycerides, characterized in that a reaction mixture comprising triglycerides is brought into contact with a heterogeneous catalyst; at a temperature between 100 and 250°C heterogeneous catalyst is based on one or more oxides and/or oxysalts of metals of the groups IA and IIA of the Periodic System, at least one of the oxides having an optical basicity A which is at least 0.5.

(Com. - 14 pages)

Ind. Cl. : 77

B₂

179171

Int. Cl.⁴ ; C 11 B 1/04 & 1/10.

AN IMPROVED PROCESS FOR THE EXTRACTION OF PURE SAPONIN FROM THE FRUIT PERICARP OF SAPINDUS EMARGINATUS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor • AYINAMPUDI SREE, INDIA

VIPPARTI SANIIVA RAO INDIA

SUDAM CHANDRA BASA, INDIA

CHAKKIRALA SRINIVASULU, INDIA,

Kind of Application : Complete.

Application for patent No, 284/Del/90 filed on date 22-03-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110005.

5 Claims

An improved process for the extraction of pure saponin from the fruit pericarp of *Sapindus emarginatus* which comprises extracting the pericarp of *Sapindus emarginatus* with water or an aqueous alcohol of C-1 to C-4 at ambient temperature by multi stage counter current method, treating the extract with an inorganic salt such as ammonium sulphate/sodium chloride, separating the saponin from the extract by decantation, dissolving the saponin in an alcohol (C-1 to C-8), removing the alcohol and impurities by known methods dissolving the residue in water and spray drying to get the pure saponin.

Ref. No. Nil.

Agent : Nil.

(Compl. Specn. : 7 Pages;

Drgs. : Nil.)

Ind. Cl. : 140 A1₂ 179172
Int. Cl.⁴ : C 10 M 103/06.

A LUBRICATING COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, USA, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, USA.

Inventor: JAMES NOEL, VINCI, US.

Kind of Application : Complete.

Application for Patent No. 325/Del/90 filed on date 30-03-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110005.

15 Claims

A lubricating composition comprising

- (a) from 50 to 98% of a functional fluid of lubricating viscosity of the kind as herein described;
- (b) at least 2% by weight of at least one metal over-based salt of at least one carboxylic acid wherein the metal is selected from the group consisting of lithium, sodium, calcium, barium, magnesium and mixtures thereof and the carboxylic acid comprises at least one linear unsaturated hydrocarbon group containing from 8 to 50 carbon atoms;
- (c) and the balance, if any comprising at least one hydrocarbyl substituted carboxylic acid or anhydride or metal salt or amine thereof, the hydrocarbyl substituent of the acid or anhydride having an average of at least 30 carbon atoms.

R. No. US. Patent Nos. 3492231, 3219666, 465948S, 4230586, 3502677, 4505830, 3216936, 3708522, 3803337, 2616904, 2616905, 2616906, 2616911, 2616924, 2616925, 2617049, 2695910, 2723234, 2773235, 2723236, 2760270, 12767164, 2767209, 2777374, 2798552, 2856359, 2859360, 2856361, 2861951, 2883340, 2915517, 2959551, 2968642, 2971014, 2989463, 3001981, 3027325, 3070581, 3108960, 3147232, 3133019, 3146201, 3152991, 3155616, 3170880, 3170881, 3172855, 3194823, 3223630, 3232883, 3242079, 3242080, 3250710, 325686, 3274115, 3492231 and 4230586.

Agent : Remfry & Sagar.

(Compl. Specn, 57 Pages;

Drgs. : Nil.)

Ind. Cl. : 160 C

179173

Int. Cl.⁴ : B 61 K 3/00.

A RAIL LUBRICATING COMPOSITION

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, USA, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, USA.

Inventors" : JAMES NOEL VINCI, US
ROBERT EDWIN QUINN, US.

Kind of Application : Complete.

Application for Patent No. 326/Del /90 filed on June 30-03-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110005.

33 Claims

A rail lubricating composition comprising an overbased non-Newtonian colloidal disperse system, comprising :

- (1) from 0 to 70% by wt. of solid metal-containing colloids particles such as herein described predispersed in
- (2) upto 30% by wt. of a disperse medium of at least on inert organic liquid such as hereinbefore described and
- (3) at least one member such as hereinbefore described selected from the class consisting of organic compounds which are substantially soluble in the disperse medium, the molecules of said organic compound being characterized by polar substituents and hydrophobic portions.

Ref. No. US Pt. No. 3492231, 4468339, 3219666, 3708522, 3252908, 4230586, 3216936, 3502677, 3269946, 4185485, 3255108.

Agent ; Remfry & Sagar.

(Compl. Specn. 57 Pages;

Drgs.

Nil)

Ind. Cl. ; 123

179174

Int. Cl.⁴ : C 05 F 11/00 & 11/06.

PROCESS AND APPARATUS FOR CONTINUOUSLY PRODUCING HEAT TREATED FERTILIZER MATERIAL OR FERTILIZER ENRICHED SUBSTRATE MATERIAL.

Applicant : HANS JACOB CLAUSEN, OF GUDSOE ENGVEJ 15, DK-7000 FREDERICIA, DENMARK, A DANISH CITIZEN,

Inventor : HANS JACOB CLAUSEN, DK.

Kind of Application : Complete.

Application for Patent No. 327/Del/90 filed on date 30-03-90,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110005.

7 Claims

A process for continuously producing a heat treated fertilizer material or fertilizer enriched substrate material ready for use, the process comprising the steps of passing the material through a heating zone (8) and, if desired adding known fertilizer substances and other known additives characterized by,

supplying the material to the heating zone in a manner so as to keep the heating zone substantially closed from the surrounding air,

heating the material in the heating zone to effectively obtain pasteurization of the material,

maintaining in the heating zone a high degree of air humidity,

guiding the material from the outlet of the throughflow heating zone through a heat insulated tunnel so as to prolong the pasteurizing effect.

guiding the material flow from the heat insulated tunnel to and through a cooling zone, while missing the material through said cooling zone the step of blowing air through the material layer so as to reduce the layer thickness of the material and flow density,

guiding the material from the cooling zone through an admixing zone for desired continuous addition of fertilizer substance or other additives,

delivering the material from the admixing zone to a delivery zone, said passage of the material all the way from said pasteurizing zone to the final delivery zone being carried out under substantially closed conditions in relation to the surroundings.

Apparatus as claimed in claim 4 wherein said flow-through kiln has means to provide a well-controlled material flow therethrough, said means comprising an inlet lock with a level detector which controls the material afflux to keep the material level in the inlet lock at a constant level, and a thermosensor connected to said heating means and placed at the outlet end of the kiln for controlling the kiln effect (heat effect/time of flow) for achieving a preset material temperature, between 80°C to 100°C.

Ref. No. Nil.

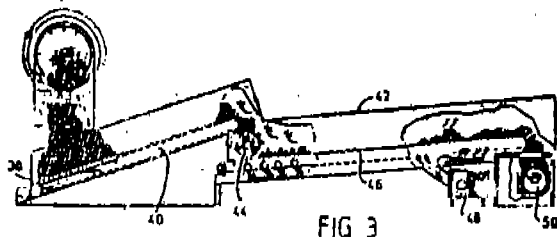


FIG 3

Agent : Remfry & Sagar.

(Compl. Specn. 12 Pages; Drgs. 2 Sheets)

Ind. Cl. : 144 B

170175

Int. Cl.⁴ : C 23 C 22/28.

A LIQUID, RADIATION-CURABLE COATING COMPOSITION FOR THE COATING OF GLASS SURFACES.

Applicant : BASF LÄCKE 4- FARBEN AKTIENGES-
ELLSCHAFT, OF MAX-WINKELMANN-STRASSE 80,
4400 MUNSTER, FEDERAL REPUBLIC OF GERMANY.

Inventors :

STEPHAN SCHUNCK. DE,
HORST HINTZE, DE.

Kind of Application : Complete,

Application for Patent No. 331/Del/90 filed on date 02-04-90.

Appropriate Office for Opposition Proceedings. (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A liquid, radiation-curable coating composition for the coating of glass surfaces, which comprises ;

(A) 56 to 89% by weight of at least one diethylenically unsaturated polyurethane optionally containing urea groups,

(B) 3 to 30% by weight of at least one ethylenically unsaturated monomer,

(C) 0.5 to 8% by weight of at least one photoinitiator and

(D) 0.05 to 6%, by weight of an alkoxysilane and the balance, if any being constituted by conventional auxiliaries and additives,

constituted by conventional auxiliaries and additives, the sum total of the percentages by weight of the components A to D being 100% by weight in each case characterised in that

(1) said component B of said coating composition is selected from one or more ethylenically unsaturated monomers containing carboxyl groups, optionally together with other ethylenically unsaturated monomers, and

(2) said component D of said coating composition is selected from an alkoxysilane containing epoxide groups of an alkoxy silane.

Ref. No. NIL.

Agent : REMFRY & SAGAR

Compl, Specn. 30 pages;

Drwng.

Nil

Ind. Cl. : 206 E

179176

Int. Cl. : G 06 J 15/00.

A DATA PROCESSING APPARATUS.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventor : (1) JOHN MONROE DINWIDDIE,

(2) JR, JONNIE EDWARD GRICE

(3) JAMES M'AURICE JOYCE

(4) JOHN MARIO LOFFREDO

(5) KFNNEETH RUSSELL SANDHRSON &

(b) FRNEST DYSART BAKER, USA.

Application for Patent No. 644. Del/90 filed on 26th June, 1990.

Conventional data : U K. Patent Application No. 8923871.1 dated 24th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005,

10 Claims

A data processing system comprising a plurality of interconnected processing modules each comprising at least one each of a first central processing element a main storage unit and an I/O device managed and controlled by a first operating system to operate as a single processing unit, and in which each respective first operating system can access data stored in any other of the interconnected modules via the object names without the active intervention of the other operating system, thereby providing a single system image to uses of each of the modules; at least one additional processing element in one of the modules, managed and controlled by a second operating system different to the first operating system and lacking a single system image characteristic; coupling means for coupling the additional processing element to the respective first processing element within that module; transferring means for transferring I/O compounds and data from the additional processing element to the respective first processing element independently of the respective first processing element's operating system; converting means for converting the I/O commands

and data to commands executable by and data useable by the respective first processing element.

Ref.: NIL.

Agent : ANAND AND ANAND.

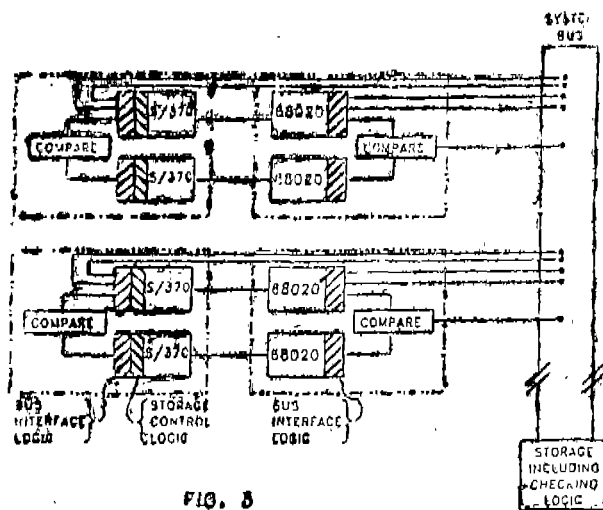


FIG. 3

Compl. Specn. 25 pages;

Drwgs. 84 sheets.

Ind. Cl. : 32 C

179177

Int. Cl.⁴ : C 12 N 9/50 & 9/54.

A PROCESS FOR THE PREPARATION OF THERMOSTABLE SALT TOLERANT ALKALINE FROM BACILLUS SP.. PROTEINASE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : (1) ADITI PANT, INDIA
(2) ASHA KEMHAVI, INDIA
(3) JAYANT KHIRE, INDIA.

Kind, of Application : Complete.

Application for Patent No. 287/Del/91 filed on date 5-4-1991.

Appropriate Office for, Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005

4 Claims

A process for the preparation of thermostable, salt-tolerant alkaline proteinase from Bacillus sp., which comprises cultivating Bacillus sp. having the properties as herein described designated as NCIM No. 64 and capable of producing: salt-tolerant alkaline proteinase in submerged aerobic culture medium containing a conventional nitrogen-source at a temperature in the range of 20 to 30°C and for a period in the range of 24 to 60 hours, recovering the said alkaline proteinase from the broth by known methods,

Ref. No, Japan Patent No. 110460 has been referred.

Agent : NIL.

Compl. Specn. 8 pages;

Drwng. Nil.

4-227 GI/97

Ind. Cl. : 32 C

179178

Int. Cl.⁴ : C 12 N 9/28.

A PROCESS FOR THE PREPARATION OF SALT-TOLERANT THERMOSTABLE NEUTRAL AMYLASE FROM BACILLUS SP.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : (1) ADITI PANT, INDIA.
(2) JAYANT KHIRE, INDIA.

Kind of Application : Complete.

Application for Patent No. 288/DEL/91 filed on date 5-4-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972). Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the preparation of thermostable, salt-tolerant neutral amylase from Bacillus sp which comprises cultivating Bacillus sp having the properties as herein described designated as NCIM No. 64 and capable of producing neutral amylase in submerged aerobic culture medium containing a conventional source of nitrogen & starch at a temperature of 30°C for a period of 24 hours, recovering the said neutral amylase from the broth by known methods,

Ref. No. Netherland Patent No. 70-13396 & 70-13390 US Patent No. 4728613 Ep No, 322082 have been referred to in the specification.

Agent : NIL,

Compl. Specn, 7 pages;

Drwng. Nil.

Ind. Cl. : 189

179179

Int. Cl.⁴ : A61K 7/16.

A PROCESS FOR PREPARING ANTIPLAQUE ORAL-COMPOSITIONS.

Applicant: COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA.

Inventors : ABDUL GAFFAR, U.S.

Kind of Application : Complete.

Application for Patent No. 1290/DEL/91 filed on 30-12-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the preparation of an antiplaque oral composition in an orally acceptable conventional vehicle in the form of tooth paste, Gel dentifrice, mouth rinse or mouthwash said process comprising mixing 0.01 to 1% of said triclosan, 0.02 to 2% of a phenolic flavor of the kind such as herein described and one or more conventional and- adjuvans, if any, to said vehicle, wherein the relative proportion of triclosan to said phenolic flavor is in the range of 5:1 and 1:100.

Ref. : US-4002881, 4749562
Germany—3532860

Agent : REMFRY & SAGAR.

(Compl. Specn 29 pages;

Drwng. sheet Nil.)

Ind. Cl. : 32 F(2B)

179180

Int. Cl.⁴ : C 07 D 253/08,

A PROCESS FOR THE SYNTHESIS OF ANTIFILARIAL 2-(HALOARYL) AMINO 4, 6-DIHYDRAZINO S-TRIAZINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (AGt XXI OF 1860).

Inventors : (1) PREM MAN SINGH CHAUHAN, INDIA
(2) SOMNATH SINGH, INDIA
(3) PUVVADA KALPANA MURTHY, INDIA.
(4) AMALENDU DUTTA, INDIA
(5) RANJIT KUMAR CHATTERJEE INDIA.

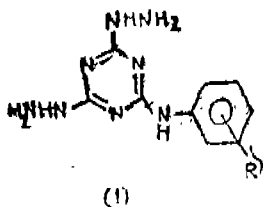
Kind of Application : Complete.

Application for Patent No. 882/Del/92 filed on date 30-9-1992.

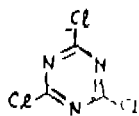
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the synthesis of antifilarial 2 (haloaryl) amino-4, 6-dihydrazino-S-triazines of the formula I



where R represents a halogen in position 2, 3 or 4 of the aniline ring, which comprises reading an appropriate halo substituted aniline with 2, 4, 6 trichloro-triazine of the formula n



in the presence of tetrahydrofuran (THF) and triethyl amine at a ambient temperature followed by addition of hydrazine to the reaction mixture.

Ref. No. NIL,

Agent : NIL.

Compl. Specn, 5 pages;

Drwng. 1 sheet.

Ind. Cl. : 136 E

[XIII]

179181

143 D₄ [XL].

Int. Cl. : B 65 B-29/04, B 65 C-7/00.

A METHOD OF ATTACHING A THERMOPLASTIC THREAD TO A WEBAND THE APPARATUS THEREFOR.

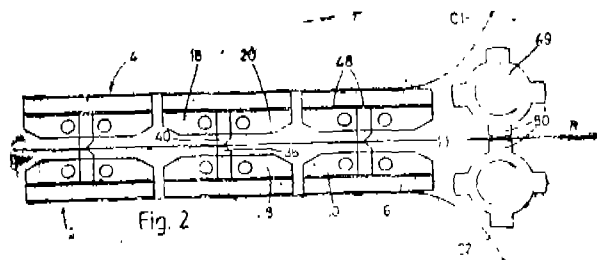
Applicants : HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) GEOFFREY WILLIAM VERNON
(2) JAMES GOODWIN
(3) ANDREW CLEAIX
(4) THOMAS WILLIAN BAILEY.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

14 Claims

A method of attaching a thermoplastic thread to a web comprising the steps of placing the thread on one face of a web, placing the thread and web between a pair of opposed heat sealing elements comprising a heating element and an anvil element, the heating element being applied against the opposite face of the web to that on which the thread has been placed, and applying heat from said heating element on the opposite face of the web to render the thread plastic and, cause it to adhere to the material.



Compl. Specn. 13 pages;

Drgs. 1 sheets.

Ind. Cl. : 172A

[XX]

179182

Int. Cl. : D02 H-7/00.

AN IMPROVED YARN CARRIER,

Applicant & Inventor : MR. HELMUT MAKOWITZKI, SWISS NATIONAL, OF WIESENSTR 1, CH 8700 KUS-WACHT/ZURICH, SWITZERLAND.

Application No. 333/Bom/93 filed on 18-10-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400013.

5 Claims

An improved yarn carrier for housing yarn packages, (7—10) comprising the pot (4) and the cover (6)7 both having the central middle bore (15/150, a middle-column (5) being concentric to the said central middle bore and fixed in the said put (4) holding a seat for the said matching cover (6). having a smaller outside diameter than the inside diameter of the said pot (4), and the said middle column (5) having a minimum diameter of 200 mm, measured cover the points of 4 edges (12).

Compl. Soecn. 8 pages;

Drwngs. 2 sheets.

Ind. Cl. : 76 I

E. 179183

Int. Cl. : E 0 5 B 13/08, 13/10
E 05 C 1/00.**IMPROVEMENTS IN OR RELATING TO DOOR ALDROP.**

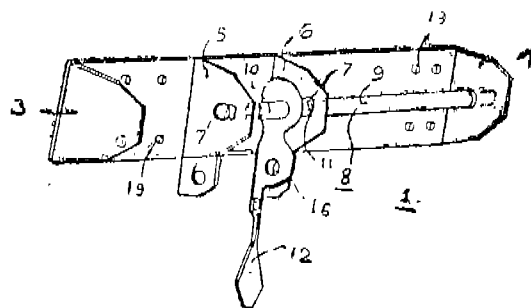
Applicants: SHREHSH GURURAJ PATWARDHAN & MRS. ROHINI BHASKAR BHIDE.

Application No. 444/Bom/ 1993 filed on Dec. 29, 1993.

Appropriate Office for Opposition Proceedings (Rule; 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

Claim

Improvement in or relating to door aldrop comprising a base plate having closed end plate, open end plate with two numbers of middle plates having a through passage for plying a composite rod made of two independent bars comprising main bar and a nut bar having corresponding threaded arrangement, a handle sandwiched between the said two bars, such that in locked position the spanner slot remains concealed in the middle plate, there being provided a cover over the main sliding rod, the said cover being capable of being fixed to the main base plate with the help of small brackets and screws; there being provided on the opposite side an inner plate with a sliding rod to act as inner aldrop for locking the door from inside, both the said assemblies are finally fixed on the door panel.



Compl. Specn. 5 pages;

Drwngs. 2 sheets.

Int. Cl. : 70 A+C 6 [VIII (5)]

179184

Int. Cl. : C 0 7 K 3/14
C 25 B 9/00.**APPARATUS FOR TRANSFER OF PROTEIN FROM THE GEL ONTO MEMBRANE FOR DIAGNOSIS AND RESEARCH.**

Applicant & Inventor : DR. BOSCO HENRIQUES, 1-21, STONE CASTLE, BORIVLI (W) BOMBAY-400 013, MAHARASHTRA.

Application No. 31/Bom/94 filed on 28-01-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

1 Claim

An apparatus for transfer of protein onto membrane for diagnosis and research comprising :

- a tank having sets of channels on two opposite inner walls of the sides two extreme sets of channels accommodate the electrode plates while the inner sets of channels accommodate the blotting sandwiches;

- the said electrode plates have wires, closely spaced and exposed only in vertical direction and the connecting wires in horizontal direction are concealed, to maintain homogenous electric field;

- the said electrode plates have slots to allow for the passage of current;

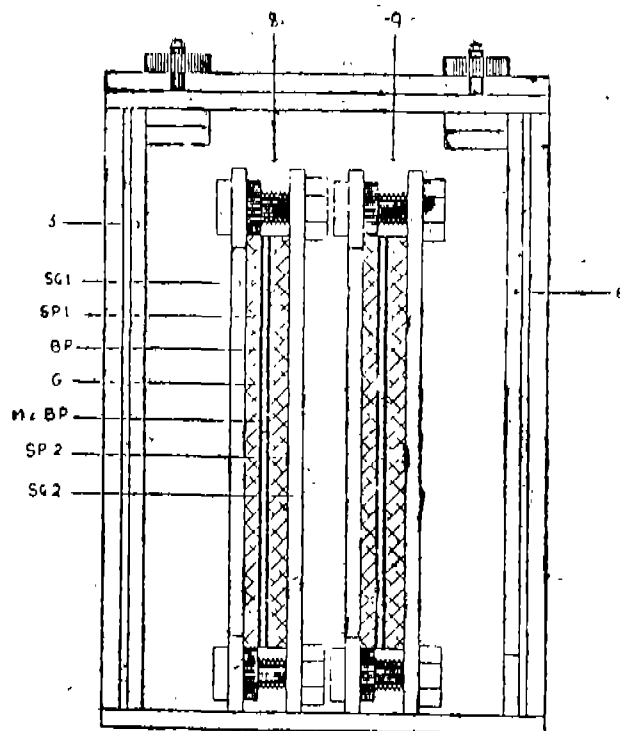
- the cathode wire and the anode wire in the said electrode plates are made of corrosion resistant metal alloy and noble metal respectively;

- a diode is embedded at the edge of the cathode plate to protect the cathode wire from electrolytic corrosion and to prevent migration of protein/bio-molecule in the un-intended direction;

- protuberances and corresponding niches (recesses) on the grid plates electrode plates and the tank wall are provided to ensure that the electrode plates and blotting sandwiches are accommodated in predetermined slots in the correct orientation; the said grid plates have holes at their corners to accommodate the push screw system to easily assemble the said blotting sandwich and to restrict the movements of membrane and hold the blotting sandwich grid plates at the predetermined distance from each other;

- the said tank contains buffer solution (electrolyte) for conducting current; and

- a lid being provided on the top of the said tank to protect the user from accidental shocks and contamination of the buffer solution from external sources.



Compl. Specn. 14 pages;

Drwngs.

6 sheets,

Ind. CL : 89 Gr [XLI] (6) 179185
 Int. Cl : G 0 1 B 5/00, 21/04.

AN IMPROVED THREE-CO-ORDINATE MEASURING MACHINE,

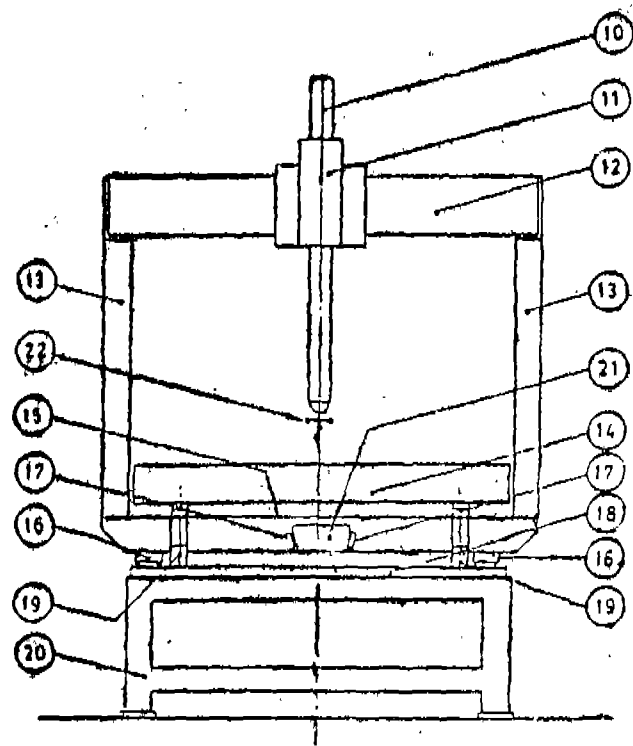
Applicant & Inventor : JASH METROLOGY PVT, LTD.
 OF ISHWAR NIWAS, 42 SARDAR PATEL MARG,
 INDORE-452 001, MADHYA PRADESH, INDIA, INDIAN
 COMPANY.

Application No. 48/Bom/94 filed on 14-02-94.

Appropriate Office for Opposition Proceedings (Rule 4,
 Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

Claim

An improved Three Coordinate Measuring Machine comprising a upper table holding the job to be measured below the probe members and lower table separately placed on the support stand, in which two cross bars i.e. upper and lower cross bars holding a probe. member and the dovetail guide respectively, thereby giving free movement of the lower cross bar without deflecting the position of the job in the upper table.



Compl. Specn. 4 pages; Drwng. 2 sheets.

Ind. Cl. : 170 A 170A [XLIII(4)] 179186
 Int. Cl. : C 11 D 03/39.

IMPROVED DETERGENT COMPOSITION.

Applicants : HINDUSTAN LEVER LTD, HINDUSTAN
 LEVER HOUSE, 165/166, BACKBAY RECLAMATION,
 BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) SUK HYUNG CHO
 (2) VELAYUDHAN NAIR GOPA KUMAR
 (3) PERINCHERRY ARVINDAKSHAN
 (4) IYER VARADARAIAAN, NAGARAJAN.

Application No. 78/Bom/1994 filed on March 7, 1994,
 Complete after Provisional Left May 12, 1995,

Appropriate Office for Opposition Proceedings (Rule 4,
 Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

Claims

A detergent composition comprising

- (i) 2 to 50% by wt. of a detergent active material.
- (ii) a bleaching system comprising 5 to 35% by wt a peroxy bleach and 0.1 to 10% by wt. of polysaccharide graft copolymer end optionally.
- (iii) a bleach activator and a detergency builder

Compl. Specn. 24 pages;

Drwg. Nil.

Provl. Specn. 30 pages;

Drwngs. 2 sheets.

Ind. Cl. : 49 D Gr. [XV] (1) 179187

Int. Cl. : A 47 I 43/08, 43/25,
 43/00,- 44/02.

AN IMPROVED CHOPPER MACHINE,

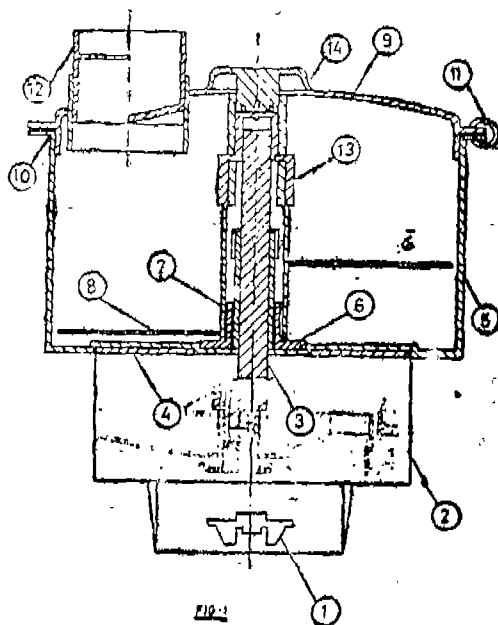
Applicant & Inventor : DINESH HUNDRDRAJ NEN-
 WANI OF 90-B, BHAVE COMPUND GOKHALE ROAD,
 THANE-400 602, MAHARASHTRA, INDIA, AN INDIAN
 NATIONAL,

Application No. 105/Bom/94 filed on 21-3-94.

Appropriate Office for Opposition Proceedings (Rule 4,
 Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

2 Claims

An improved chopper machine comprising a cupler (1) which is driven by prime mover to the reduction gear (2) 10 the transmission shaft (3) characterized in that the shaft is hexagonal which has a matching fit on main coupling holder (14) carrying chopper blades (8) thereby revolving the chopper blade (8) fitted on the shaft through the main coupling (13), the container (5) is covered by the top cover (9) with a locking means (11) and a detachable stopper (12) for addition of other ingredients for taste purpose perform the chopping operation at a reduced speed without any accident.



Compl. Specn. 6 pages;

Drwngs,

6 sheets.

Ind, Cl : 128 I Gr. [XI x (2)] 179188

Int Cl. : A 61 H 31/00
A 61 M 16/00.

MECHANISED RESPIRATOR.

- Applicants : (1) DR. ANIL MOKASHI, DR. MOKASHI HOSPITAL, BARAMATI, DIST. PUNE, MAHARASHTRA, INDIA.
- (2) MR. AVINASH NARAYAN RAO KHAI-RATKAR, C/o PROF. B. NIVARGI, 214, NAVI PETH, KILLA ROAD, SOLAPUR, MAHARASHTRA, INDIA.
- (3) MR. SUNIL SUDHAKAR SUBHEDAR, C/o PROF. P. B. NIVAGRI 214, NAVI PETH, KILLA ROAD, SOLAPUR, MAHARASHTRA, INDIA. ALL INDIAN NATIONALS.

Inventors : (1) DR. ANIL MOKASHI.

(2) MR. AVINASH NARAYAN RAO KHAI-RATKAR.

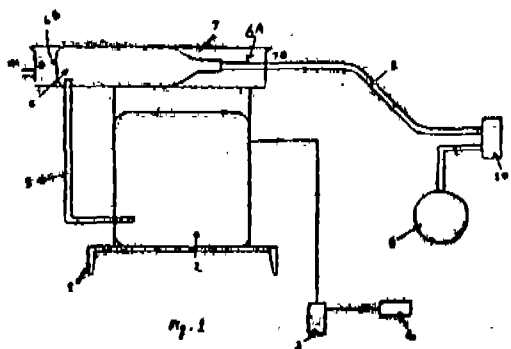
Patent Application No. 321/Bom/94 with Provisional Specification filed on 6-7-94.

Complete after provisional specification filed on 25-7-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

Claim,

A mechanised respirator for resuscitating a new born baby or other patients, having respiratory problems, comprising a self inflatable receptacle, housed in a sturdy container having an inlet and outlet; said container having an inlet tube connected to the inlet and an outlet tube connected to the outlet of said receptacle; said receptacle being provided with a non-return valve just opposite the said inlet; said receptacle being compressible within the container mechanical means; said outlet of the container and the said receptacle being connected by a flexible tube pipe and outlet of the said container being connected by open ended adaptor through control means for connection to face mask to be used.



Prov. Specn. 3 pages;

Drwng. 1 sheet.

Comp. Specn. 7 pages;

Drwns. 2 sheets.

Ind. Cl. 55 E₂+E₄ [XIX (1)]

179189

Int. Cl. : A 61 K 31/4*.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF THE EXTRACT OBTAINED FROM AYURVEDIC MEDICINAL PLANT, VIZ. YASHTIMADHU (GLYCERRHIZA GLABRA).

Applicant : M/s. J. B. CHEMICALS & PHARMACEUTICALS LTD., AN INDIAN OFFICE AT NEELAM CENTRE, 'B' WING WORLI, BOMBAY-400 025, MAHARASHTRA, INDIA.

- Inventors : (1) SHRI SHIRISH BHAGWANLAL MODY.
- (2) SHRI PRANABH DINESH MODY.
- (3) DR. SHASHIKANT AVANTILAL VASAVADA.

Application No. 430/Bom/94, filed on 31-8-94:

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

4 Claims

An improved process for the manufacture of therapeutically effective extract from the Ayurvedic Medicinal Plant, 'Yashtimadhu', (Glycerrhiza glabra) used as an expectorant, anti-spasmodic, anti-inflammatory, estrogenic and as a sweetening agent consisting of the following steps.

the roots of the said plant is graded, shredded and powdered in a hammer mill, the powdered material is extracted with the extracting solvent in a (304) stainless steel jacketed vessel by the kinetic maceration and extraction process as herein described above, the extract obtained is filtered in a stainless steel sparkler filter land stirred, which is then concentrated to thick paste in a thin film vaporiser under reduced pressure at a temperature ranging between 45°—65°C, is spray dried, if desired, to obtain dry powder extract.

Comp. Specn. 11 pages;

Drng.

Nil.

Ind. Cl. : 128

[XI

(2)]

179190

Int, Cl. : A61J-9/00.

SUCTION BOTTLE FOR SECRETION OF FLUID FROM A WOUND.

Applicants : (1) MR. ASHWIN PREMCHAND SHAH

(2) MR. YOGESH PREMCHAND SHAH PARTNERS OF ASHWIN PLASTIC INDUSTRIES OF 209, PARK INDUSTRIAL ESTATE MAKWANA ROAD, OFF ANDHERI, KURLA ROAD, ANDHERI MUMBAI-400 059, INDIAN, INDIAN NATIONAL.

- Inventors : (1) YOGESH PREMCHAND SHAH
- (2) DR. DABUTOSH DUTTA.

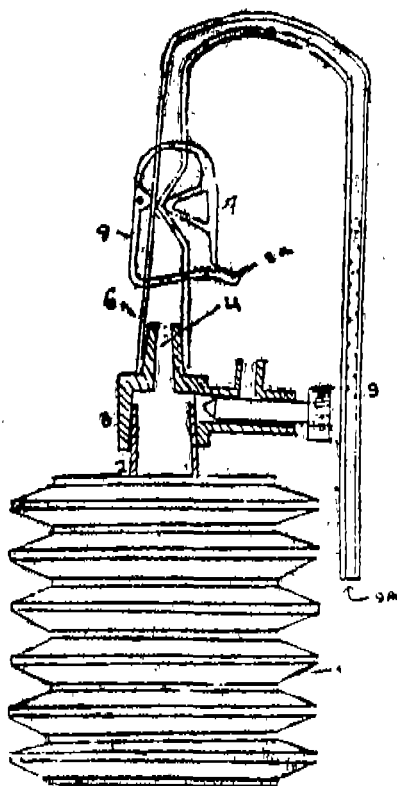
Application No. 586/Bom/94 filed on 11-3-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

6 Claims

A suction bottle for secretion of fluid from a wound such as pus, blood comprising a bottle, 1 having a removable closure 3 at the mouth 2 of the said bottle, a tube 6 extending downwardly secured to the said closure for holding a valve so as to allow discharge of the fluid into bottle, a nozzle 4, extending upwardly from said closure catheter 9 with reducing diameter towards the perforation being removably secured to said nozzle, said bottle is of flexible material having plura-

lity of folding in the perpendicular direction of vertical axis of the bottle.



Prov. Specn. 3 pages;

Drgs. Nil.

Compl. Specn. 5 pages;

Drwng. 1 sheet.

Claim U/S 20(1) of the Patents Act 1970

In pursuance of leave granted under Section 20 (1) of the Patents Act 1970 application No. 88/Del/87 (168162) of PIAGGIO & C. S.p.A. has been allowed to proceed in the name of PIAOGIO VEICOLI EUROPEI S.F.L., an Italian Company., Italy.

AMENDMENTS PROCEEDINGS UNDER SECTION—57

Notice is hereby given that Piaggion Veicoli Europei S.p.A. formerly known as Piaggio Veicoli Europei Sir.l. has/have made an application on Form-29 under Section 57 of The Patent Act, 1970 for amendment of specification of their application for Patent No. 88/Del/87 (168162) for "Device for the low-pressure injection of fuel into a two-stroke engine." The amendments are by way of change of name from Piaggio Veicoli Europe S.r.l. to Piaggio Veicoli Europei S.p.A., Italy. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401—405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-5 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may; file a notice of opposition in form-30 within three from the date of this notification at Patent Office Branch, Unit No. 401—405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005. If the written statement of opposition is not filed

with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

171511	170334	171276	172824	173319	165775	172188	173578
174731	173115	174151	164382	174078	173710	169662	176732
167638	176811	176811	175109	167456	167094	167391	172204
174070	170214	172556	168474	160731	171456	167881	167882
171663	171274	167179	172825	173117	174733	174125	165668
174306	174971	167815	168471	165407	167902	165116	169707
167449	175102	168369	164959	167905	168125	175098	171964
174087	174402	174273	174404	174379	173846	176830	176828
176822	176825	176824	176823	176819	176818	176816	176810
176808	176806	176805	176804	176803	176802	176801	176800
176815	176812	176799	176798	176795	176790	176788	176787
176783	176781	176794	176793	174275	174583	171901	174572
165711	169170	172152	174573	169910	174986	172577	172954
167639	170097	174732	174965	167200	167390	171507	171148
176971	176972	176974	176975	176977	176978	176973	174065
161533	169991	162272	161957	167084	174499	169705	161448
169625	169968	166510	175899	167285	170267	165119	165544
167800	171904	170211	173071	169841	169848	170219	166269
170125	171455	160954	162601	165554	167903	169704	171908
171838	173913	174496	161449	176741	167795	171716	165481
174586	169908	164660	171350	174767	160526	163382	167768
168533	170751	172783	174646	176022	176090	176155	176096
173983	175527	166760	161219	163831	168064	168703	174173
174182	175317	175499	176274	176881	176833	168875	161705
165526	166661	167034	167310	167510	167959	172084	176170
176250	176714	175239	177232	177265	167005	166432	166777
168378	171351	172195	172722	172728	176269	176270	176423
176840	177049	177055	177060	177068	177069	177070	171194
171782	171984	172767	172941	173401	173497	174002	174841
174906	174937	175028	175029	175185	175187	175522	175745
175801	175858	176278	177111	177118	160149	160668	161054
161411	161452	161612	161644	161980	163054	163387	163713
163810	163832	164581	165155	165156	166478	165157	165158
165506	165763	166312	167484	160575	161058	163833	167915
168042	168133	172323	174249	176021	176706	162250	169949
177243	176855	171043	172973	160876	176038	175240	166096
172943	165999	163903	164316	159305	159306	160147	174904
177199	177200	166772	175027	175157	175184	174211	175718
176864	176730	167582	165525	170970	171346	170466	163058
175226	164802	169126	167033	174008	166858	171353	166724
175231	175528	176711	175213	177378	160023	167651	162817
168968	165685	169713	163096	169711	169772	170233	170644
170089	171829	172630	174291	174996	176238	176319	177101
177209	177213	177337	177366	177390	165208	167072	169868
168801	169869	166384	170303	175335	167929	175050	175279
171809	169774	168156	174595	176290	168674	171529	174368
175776	173749	174916	176578	166832	169753	165823	172992
163474	162795	175192					

PATENT SEALED ON 08-08-97

177483	177487*	177497*	177503*	177509*	177510	177511*
177512	177513*	177515	177519	177520	177602	177604
177605						

Cal-15, Del-Nil, Chen-Nil, Mum-Nil.

Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act. 1970 from the date of expiration of three year from the date of sealing

COMMERCIAL WORKING OF PATENTED INVENTIONS, MECHANICAL ENGG. INDUSTRY LIST NO.(I)

The following patents in the field of Mechanical Engineering Industry are not being commercially worked in India as admitted by Patentee in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calander year 1995, generally on account of want of request for licences to work the patented invention, Persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose.

Patent No.	Date of Patent	Name & Address of Patentee.	Title of Inventions,
1	2	3	4
162969	3-10-1985	AE BISHIP 19, Buffalo Road, Gladesville, New South Wales, Commonwealth of Australia.	A Dic head for a roll imprinting machine.
154496	31-7-82	AE Pic, of Cowston, House Cowston, Rugby, Warwickshire, England.	Pistons for internal combustion engines.
156648	17-12-82	Do.	Anoular spacer-exponder for spacing and positioning two rails in a piston ring groove of a piston for an internal combustion engine.
157758	16-12-82	Do.	Process for nitro-casuburising metal rings of generally rectangular across section for use as piston rings or sealing rings.
161433	21-6-84	Do.	A system for machining a surface of a work piece rotating about an axis.
161450	4-7-84	Do.	A method for manufacturing a composite strip for a plain bearing.
162138	4-8-84	Do.	A piston assemble for an internal combustion engine and a method of making it.
166217	22-10-85	Do.	A bearing.
166564	16-12-85	AE Plc & Dresser, Industries Inc.	The Process for the production of a bearing.
166595	5-2-86	Do.	Disposable cartridges for centrifugal separators.
172516.	14-6-89	Albert Edward Rex, of 205, Churchil, Road, Prospect, S. Australia-5082, Australia.	Clip for use in areслиent rail fastening system.
168305	4-2-87	Alsthom-Atlantique, of 38-Avenue Kleber 75784, Paris Cedex-16, France.	A device for ventilating at least one of a fluid radiator unit and a starting and braking rheostar unit located proximate to the roof of an electrically powered unit.
159909	24-8-83	Aluminum Company of America, Alcoa Bldg., Pittsburgh, state of Pennsylvania, USA.	Method and appratu for production of atanzed metal.
169100	14-11-86	Alvin Henry Benosh, of 120, South Adama, Avenue pierre, South Dalota-57501, USA.	A savania rotar assembly for interacting with a moving fluid.
158859	13-5-83	American Flange & Manufacturing Co. Inc., 1100 West Blancke Street, Linden New Jersey- 07306, USA.	Container closure.
160102	2-3-84	Do.	A closure assembly for dispensing liquid products from cans and pails.
162857	8-4-85	Do.	Tamper-evident closure assembly,
155198	23-4-82	Amsted Industries Inc of 3700, prudential plaza, Chicago, Illinois-60601, USA.	Rail Road car truck.
156475	20-1-83	Do.	Railway Coupler shelt chamber.
157341	11-4-83	Do.	Railway truck with improved bolster gibbs therefor:
157730	13-5-83	Do.	An improved snubbed railway car truck.
159268	4-4-83"	Do.	Slackless railway drawbar conler arrangement.

1	2	3	4
171867	7-8-89	Armco Steel Co., L.P. of Delaware Ltd., partnership, at 703, curtis street Middletown Ohio 45403 USA.	Method of continuous hot dip coating a steel strip with aluminium.
157835	17-12-82	Arthur Ernest Bishop 17 Burton Street, Mosman, New South Wales. Australia.	Rack and pinton steering gear.
158109	4-6-83	Do,	Method and apparatus for making steering rack bars.
165049	3-10-87	Do.	Apparatus for imprinting of edger of glooves in valve cores for Rotary valves for use in power steering gear.
153621	20-11-81	Associated Engineering Italy, SPA, of Strada valdellatore, 10091, Alpignano, Turin, Italy.	A method of shaping gudgeon pin bores and pistons for internal combustion engines or compressors made thereby.
160334	28-2-1984	Aur Hydropower Ltd, New Cart, St. Swithin's Lane, London EC4, England.	Water engine.
162760	15-1-85	AXEL JOHNSON ENGINEERING, OF Hamngatan 60, 5-14900, Nynashamn Sweden.	A plate pack for a lamella separator.
163337	1-5-85	Do.	An apparatus for separating suspended or emulsified matters in liquids.
170058	31-10-88	Balcock & Wilcox Co., of 1010, Lommons, Street, New-Orleans doulsiann-70160, USA.	A soot blower.
159538	5-5-83	Bar-Ilan University Ramat Gen, Israel.	An apparatus for separating selected biological cells for other such cells.
158883	30-8-82	Bergwerksverband GmbH, Franz-Fischer-Weg 61,4300 Essen 13, West Germany.	A device for dosing fuels particularly caking fuels in fluidized bed reactor.
172635	16-12-87	Do.	Coking apparatus.
170233	19-9-88	Berno Hanson, of Heerstrasse, 16,7166, Sulzbach-Laufen 2, West Germany.	A dropper bottle of synthetic resin A a method of making the same.
170773	9-6-88	Do.	Process and apparatus for manufacturing filled; containers of heat seatable material and containers thereby produced.
171829	8-9-89	Do.	Process for producing filling and subsequent scaling of a deformable container.
168680	1-4-87	Borden Iuc, of 189, East Broad Street, Columbus, Ohio-43215 USA.	A process for making a body and that can be pyrolyzed to form an electrode suitable for use in the electrolytic production of metal.
157859	10-3-83	British Steel Corpn, 9, Albert Embankment, London-SE 1-7SN, England,	Apparatus for the shaping of materials such as metals, as well as castable non-metallic materials, such as glass.
155423	7-7-81	Brown & Williamson, Tobacco Corporation 16, West Hill street, Lousville, Kentucky-40232 USA.	Apparatus for making grooves in tobacco smoke fillers.
155856	3-2-83	Do.	Cigarette filter.
156401	23-2-82	Do.	Cigarette filter.
157633	2-2-83	Do.	Improvements relating to tobacco smoke filter.
170127	5-8-87	Do.	A filter for a cigaratte.

1	2	3	4
165454	18-4-86	Byung BVN Yoo 616-5 Daemyung-Deng, Nem-ku Daugu-Gi Korea.	Air ventilator.
168365	11-2-88	Carl Edelmann Verpackungstechnik, GmbH of paradiesstrasse-20, 7920, Heldenheim/Bronz, West German,	Transport and storage container for con- centrates of beverages or the like.
167989	19-10-87	Caroma Industries Ltd, 76 Magill Road, Norwood, South Australia, 5067, Australia.	Duel flush cistern mechanism.
164903	14-2-86	China Metallurgical Import & Export, Cor- poration 46, Dongsixi, Dajie, Beijing & China, Metallurgical Sefety Technology Institute of Republic of China.	An intitiating element for use a non primary explosive hollow tube datanator.
169896	14-3-88	Chinese, Petroleum Co. and Industrial Techno- logy, Rese of 83, Sec. 1 Chung Taipei, Taiwan, Republic of China.	Low pressure injection system for injection fuel directly in to cylinder of gasoline engine.
171543	3-1-89	Colortronic GMBH, of otto, Hahn-strasse-20, 6382, Friedrichsdorf 2, West Germany.	Cutting Mill.
168292	28-5-85	Compair Broomwade Ltd, P.O. Box-7, Broomwade, Works High Wycombe, Buckinghamshire HP-135 SP England.	Screw rotor machines.
171822	20-12-88	Compak Systems Ltd, of Torr Street Gains- borough, 4-ineolnshire, DA-121 2EG, England.	A day light platan press for pressing fibrous materials into bound.
160204	25-1-84	Continental Disc, Corporation 4103, West Riverside, Rivorside, State of Missouri, USA.	A reverse buckling rupture disc.
163076	10-9-84	Contra Show Holding, Ltd, of 31, Ruskin Street, Parnell, Auckland, New Zealand.	Rotary screen.
162153	22-12-1983	Copeland Corporation Combell Rd. Sidney, Ohio-45365, USA,	Scroll type machine.
162154	13-1-84	Do.	An orbiting scroll compressor.
162861	12-1-84	Do.	A motor compressor.
169065	7-11-1988	Copeland Corporation. Combell Rd., Sidney, Ohio-45365, USA.	A motor driven Compressor
169693	26-8-1988	Do.	A rotary machine.
170647	31-10, 1988	Do.	Scrall compressor.
170806	18-11-1988	Do.	Scroll machine.
170869	27-2-1989	Do.	Refrigeration compressor.
155066	24-7-1981	Crane packing Ltd. of crossbow House Liver Pool, Rd. slough, England,	Mechanical face seal in-corporating bellors unit.
164349	28-11-1986	Crown Gear B.V. Schaardijk-145, 3063, NH, Rotterdam, Netherlands.	Face gear transmission for Axes inter secting or crossing each other.
156163	2-9-1982	Council of Scientific & Industrial Research, (CSIR), Rafi Marg, New Delhi-110001, India.	An improved air generater fired by particulare fuels.
157477	-11-1982	Do.	An adjustable manuffally operated device for moving stagnated vehicle.
157849	25-6-1982	Do.	A machine for internal and/or external sur- face of core Pipes

1	2	3	4
157850	30-6-1982	Council of Scientific & Industrial Research, (CSIR), Rafi Marg, New Delhi-110001, India:	A composite multisection quick release centering prop for use in insitu concrete constructions.
159316	31-3-1983	Do,	An apparatus for precision low temperature vapour disposition of thin film coatings on water substrates.
160098	21-1-1984	Do.	A device for burning solid fuels for domestic cooking and like purposes.
161054	23-7-1985	00.	Improvements in or relating to package water treatment plants for waters of varying tur- bidities.
161452	4-7-1984	Do.	Improved automatic water sprinkler for use as a fixed fire protection device.
161527	5-11-1985	Do,	Improvements in or relating to a fish miaoing machine.
161545	30-4-19885	Do,	Hydraulic bolt tensioning device.
162646	13-9-1985	Do.	An improved device for measuring weight of charge unloaded by the rotary wagon tippler from wagons.
162998	11-6-1985	Do.	An improved refrigeration device for cold storages.
163387	18-7-1983	Do.	Process for the production of a smokeless solid fuel fired domestic ovens and appliances.
163395	29-3-1985	Do.	Swing blade crosswind axis turbine.
163819	27-5-1986	Do.	Portable multigas sampler for continuous sampling of air in the atmosphere.
164314	12-8-1986	Do.	Tensioned cable truss device.
165155	18-7-1985	Do.	An improved device for joining precast piles in segment*.
165156	18-7-1985	Do.	An improved device for joining precast con- crete piles.
165157	18-7-1985	Do.	Improved device for joining precast piles.
165158	18-7-1985	Do.	An improved device for joining of precast piles.
165439.	21-4-1986	Do.	An improved device for aeration of liquids.
165168	5-11-1986	Do.	Multifuel domestic chulha for efficient burning of different types of solid fuels.
166771	12-6-1986	Do.	A multi strain gauge for measuring for water pressure.
167940	7-9-1987	Do.	Multifunctional digging tool to function as spade and hoe.
168453	1-10-1986	Do.	An improved device for the production of silicon rods from silicon filaments.
168797	30-6-1986	Do.	A device for the extraction of oil from oil bearing seeds.

2	2	3	4
169123	16-3-1989	Council of Scientific & industrial Reserch, Rafal Marg, New Delhi India.	A moulding device for preparing spherical segment mirrors using mirror films bounded to fibreglass reinforced Plastic dishes.
169833	28-9-1987	DO.	An equipment for dehusking of grains
170349	19-8-1987	Do.	Plexible element for cart wheel axle end a cart wheels incorporating the sold flexible element.
170433	29-12-1987	Do	An improved wind mill.
170582	2-6-1987	Do.	A fastening device to prevent pipes from slippage.
170764	30-5-1988	Do.	An improved blood analysis equipment.
170766	27-10-1988	Do.	An appartus for the production channel black.
170827	19-8-1987	DO.	An improved acroenging gas turbine.
171191	13-4-1987	DO.	Process for preparation of cold bonded iron ore pellets.
171192	5-5-1987	Do.	An improved process for the manufacture of cold bonded iron ore pellets
171194	31-7-1987	Do.	A process for producing high strength cold bonded ore pellets of ore fines having a Strength of 200 KG.
171625	15-4-1987	Do.	A device for dragging out coke from beehive coko ovens.
172109	15-2-1989	Do.	An improved cell for the electro refining of aluminium.
172320	30-3-1988	Do.	An improved process for the preparation of Iron blue pigment.
172767	10-7-1989	Do,	Air bearing supported are driven spindle head.
167105	11-8-1987	Dallaire Industries Ltd, 8650, Boulevard De La, Rive Sud Levis Lauzon, Quebec G 6 V 7 M 5, Canada,	An improved window construction.
163288	24-9-86	Danieli C. Official Mec, Via Nazionale-33042, Battio (UD) Italy.	Device to handle indies.
167928	15-9-87	Do.	A method and integrated plant for continuou- sly converting metallic charge into semi- finished products.
164736	22-1-87	Dansk industry Syndikat, A, Herlev Hoveogade, 15-17, Herlev 2730, Denmark.	A core setter for use in placing one or more cores in the mould impression.
165691	1-1-87	Do.	Amoulding system for making mould parts.
164368	20-6-86	Dagussa AG, Frankfurt/Main, 6450, Hansu 1, Postfach 1345, Fed. Rep. of Germany.	Process and apparatus for producing carbon black.
165739	17-7-86	Do.	Apparatus and Process for Producing carbon black.
168832	26-11-86	Do.	An atomizing nozzle and a process for form- ing an atomizate by the use of said nozzle.

1	2	3	4
162670	10-12-85	De Smet Chemfood Engg. Pty. Apeejay Chambers, 5, Wallace St. Bombay-1, India.	Apparatus for treating e.g. deodorizing oil and similar material.
169834	29-3-89	Didier-Werke AG, Lossingstr, 16-18, D-6200, Wiesbaden, West Germany.	Devices for converting solar energy into Proccoss heat.
171348	19-1-88	Doris Engineering, of 58 A, rue du Dossnour des Berges, 75013, Paris, France.	Non-rigid marine platform for use in deep water applications.
168654	264-88	Draisworke, GmbH, of speckweg, 43-59, D-6800, Mannheim, 31, F.R. Germany	Agitator mill.
159737	15-7-83	DAICHIENGINEERINGCO. of 917, KODA-CHO, KAWASHIMA-CHO, HASHIMA-GU, GIFUUEKN, 483, JAPAN.	Squaeze pump.
169092	18-11-86	Darya Paye Jetty Co. Ltd, Elleens Cottage, wolton Farm, Bekesbourne, Canter burt Kent Great Britain.	A device for constructing a rigid structure upon the bottom of a body of water.
170447	11-2-87	Dom-Sicherheitstechnik, G-bH and 10, of Wessolinge strasse-10-16, D-5040, Bruhl, West Germany.	Locking device.
156936	24-12-82	DR. C. OTTO & COMP. GmbH. Postfach 101850, D-4630, Bochum 1, West, Germany.	Heating system fat the regenerative heating of coke oven battery having twin heating fluxe-
158142	15-2-83	Do.	A temperature measuring means for coke oven chambers walls.
158919	19-12-83	Do.	Device for levelling the coil charged into the coking chamber of a coke oven.
159094	3-9-83	Dr. Hans-George, Boehm, of Kelleygrundway, 13, 6242, Kronberg/Taunus, West Germany.	Steam pressure cooker.
158494	7-4-82	Batern Carbons, Sneh Milan", Telephone, Exchange Road, Dhanbad-826001, Bihar, India.	Equipment for continuous devolatilisation of coal.
159035	2-6-83	Energy Froide internat, 36 Avenue Krieg, 1208, Geneve, Switzerland.	A lightning protector assembly.
166723	6-5-86	Emhart Glass Machinery, Investments Inc. C/o. RL & F service Corp. One Rodney Square, 10th floor, 10th & Kings Street, Wilmington, Delaware, 19801 USA.	Drive system for a glass container Pro-duction, line.
161975	27-11-84	Emhart Industries Inc. of 426, Colt, Highway, Farmington, Connecticut-06032, USA.	Moulding apparatus for use in a cyclically operating glassware forming maohine.
167866	17-9-87	EMITEC Gesellschaft Fur Emission, Technologie mb H, Hauptaseasse 150,5204, Lohmar 1, West Germany.	Process for producing an assembled cam-shaft.
169514	19-5-88	Do.	A method of securing a drive element of a hollow shaft to form an Improved drive assembly.
169579	19-5-88	Do.	A hollow drive shaft assembly having hollow shaft and drive elements.
170648	3-11-88	Do.	Method of assembling crankshafts and crankshafts thereby produced.
170880	22-12-88	Do.	An assemble shaft.
170888	17-12-89	Do.	Gearwheel.

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170923	25-11-88	EMITEC Gesellschaft For Emission, Technologic mbH, Hauptasensse 150,5204, Lohmar 1, West Germany.	Method for assembling crankshafts & the like
170936	6-1-89	Do.	Assembled shaft especially camshaft, crankshaft or Driveshaft,
171473	6-2-89	Do,	Assembled drive shaft.
171744	19-9-89	no.	An assembled shaft.
171913	5-5-89	Elopak Syalom; AG of Flugghofstrasse-39, CH-8152, Glattbrugg, Switzerland.	Method of sterilization of packaging materials.
172561	20-2-89	Bmitec Gesellschaft, West Germany.	Assembled drive shaft and process for producing same.
172527	30-5-89	ETM Engineers Tool, Manufacturing Company Ltd. of P.O. Box, 309, Herzliya-B, 46103, ISRAEL.	An improved spring collet.
172534	6-5-87	Exxon Research & Engineering Company, of 180, Park, Avenue Florham Park, New-Jersey, USA.	A method for the manufacture of wax oil slurry, having improved properties of filtration and apparatus for performing said method.
160911	1-10-84	Fabcon incorporated 965 Mission street, suite-730 San Francisco, California 94103, USA.	Apparatus for flocculating and clarifying a solid liquid slurry.
167867	25-9-87	Fabrique Nationale Herstal 4400 Herstal, Belgium.	Telescopic grenade.
170119	13-9-88	Do.	Anti-vehicle grendde.
172008	1-6-89	FACET Enterprises, Ino of 2 Warren place, suit-1000,61005, yale AVB, Oklahoma-74136-1988 U.S.	Fluid filter and method for manufacturing same.
158296	23-4-82	Festo-Maschinefabrik Gottlieb Stoll Ulmer Strasse 48,7300, Esslingen F.R.G.	A spool valve,
162914	20-2-85	Ferodo Ltd, of 20st, Mary's parsouxge, Manchester M3,2NL England.	Method for the manufacture of a non-asbestos clutch facing.
162692	28-8-84	FIRMA CARL STILL GMBH & CO. 4350, Reskinghansen, Postiach 101851 Federal Republic of Germany.	Process and apparatus for the production of briquetting material for hot briquetting.
164901	10-2-86	Flavcurtech Pty. Ltd, 90, Higgings Ploss & Co. Banner Avenue, Griffith NSW-2680, Australia.	Conter current contracting device.
161738	18-2-85	FLEXCTALLIC LTD, of station Lane, Hockmondwiko West Yorkshire, England.	Improved gasket materials and gaskets prepared the reform.
466106	5-5-86	Do.	A method and apparatus of producing a spiral wound gasket and a gasket 50 product.
170321	25-9-87	Foseco international Ltd, of 285, long Acre, Neenells Birmingham, B-7, 5 JR, England.	9 A vertically split mould with two halves.
161236	9-10-84	Frankweslay Moffett, 944, Allen Creek Road, Rochester, New York 14618, USA.	Vertically oriented garden structures.
171443	15-11-88	Fried Krupp. GmbH, Mit. Beschränkter, Haftung, of Attend Orfer strasse, 103, D-4300, Essen 1 Federal Republic of Germany.	Crusher unit for use in a mobile crushing system.

1	2	3	4
165352	10-3-1986	Fritz Studer AG. 3602, Thun, Switzerland.	A process for manufacturing concrete polymer machine parts and machine parts made of concrete polymer.
168944	28-10-1987	Fujikura Limited 5-1, Kiba-1-chome, Kohtohku, Tokyo, Japan.	An insert part for sealing cable functions.
169079	23-10-1987	Do.	An assembly for sealing cable junctions.
166427	5-11-1986	Galbraith. Engineering Pvt., Ltd., Moutreal Rd. West Midland, West Midland Westen Australia, 6056, Australia.	Reciprocatory machines.
154834	10-7-1981	GB, Tools & Components, Exports, of 368, Eating Rd, Alperon, Wemblay Middless HAO.1HO, England.	Machine Tools.
161049	22-i-1984	GEA GmbH, Konigsallee 43—47,4630, Bochum, F.R.G.	Heat exchanger,
163995	17-5-1985	GEA Luftkuhlergessellschaft, Happel GmbH & Co.	Device for transferring the cooling water of wet cooling tower or a wet/dry cooling tower to a recycling system for water istri-bution.
161623	3-11-1983	General Electric Company, of 1, River Road, Scheaectady 5, New York, United State of America.	Continuous metal casting mothod apparatus and products.
163373	15-4-1985	Do.	Continuous metal sube casting method apparats & product,
164073	12-4-1985	Do.	Electromagnetic levitation casting "apparatus having improved lavitation coil assembly.
167611	6-1-1987	G.D. Societa per. Azioni, of Via pomponia, 10 40100, Bologna, Italy.	Device for reeding a strip paper on a dual rod cigarette manufacturing machine.
159278	7-12-1982	General Signal Corporation, High Ridge, Park, Stamford, Connecticut, USA.	Mixing apparatus of mixing a liquid of a 2 liquid suspension medium.
167034	21-7-1986	Do.	Gravimetric feeder apparatus for feeding particulate of a feedrate in terms of weight-per unit-time.
158363	18-5-1983	Georg Fischer Actingcesrllschaft, CH-8201., Schafthaveen, Switzerland.	A casting device.
164690.	18-12-1985	Do.	Well member for convertor chamber.
169927	10-12-1987	Do,	A process for producing casting molds by selectively compressing granular material in a molding box.
1,66533	6-1-1987	Hans Spelten, Frankstt. 21, B-4054 Netteto12, Fed. Rep. of Germany,	Structural Bar,
172009	12-6-1989	Hargem Ltd., of 52, Bezalet Street, Ramat Genr, Israel, 2, Sarin Research & Development Ltd., of 52 Bezalel Street, Rampat Gan, Israel.	Apparatus for use in cantering of unfinished gem stone and a method for such centering of unfinished gem stones:
171978	25-7-1989	Harley Systems Pty, Ltd., 10,Shettteston, Street, Rocklea, Queensland, 4106, Australia.	A space frame.
168875	8-5-1987	Harold Jack Kosasky of 25, Boylston, Street, Chestnut Hill, Massuchasetts, USA.	Dvulation testing apparatus .

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159484	8-3-1984	Harsaco Corporation, 350 Poplar Church Rd., Camp Pennsylvania 17011, USA.	Hill-Bridge launcher.
167353	13-3-1987	Haugbesund Mek, Vorksted A, N-5500 Haugesund, Norway.	A method for constructing huge modules and a module constructed by said method.
160208	16-4-1984	Heinz Kaiser AG Glattalstrasse, 837, 8153, Rumlang, Switzerland	Boring too.
160461	8-5-1984	Do.	Tool part in combination with a connecting shaft of a machine tool.
161746	31-1-1984	H. Eirich, Sandweg 1, 6969, Hardheim, West Germany.	Method of Regenerating old casting sand and apparatus for carrying out the method.
157316	23-10-1982	Hendribus Van Berk, H. Govertkade 2, 2628, EA, Delft the Netherlands.	Apparatus for suctioning submerged bottom material.
167429	27-5-1988	Hindustan Lever Ltd., at Hindustan Lever House, 166-165, Backbay Raclamatlon, Bombay, India,	A non-conveying mixer for mixing material
160821	25-3-1983	Do.	Noval device for use in modifying the phase characteristics of Soap feed stock.
171580	14-12-1990	Do.	Pack made from board .
171885	23-3-1990	Do.	Multi-cavity dispensing container.
173873	21-3-1991	Do.	Method and apparatus for manufacturing twin compartment products such as in fusion package and infusion packets thereby produced.
163768	20-3-1986	HOES MASCHTNE FABRIC DEUTSCHLAND, Borsigstrasse-22, 4600, Dortmund 1, Federal Republic of Germany.	Underfloor wheel, set turning machine for reporting wheel tyre contours of railway wheelset.
161996	7-11-1985	Do.	Under floor wheel set barring machine for refloating of rim circumsterences of railroad wheel sets.
171698	4-7-1989	Hong Kong Disc Lock Company, of 9/F, Baskerville, House, 22, ICE House street, Hong Kong.	Fastener assembly.
160074	7-10-1983	IMI Titanium Ltd., P. O. Box 704, Witton, Birmingham, B6-7VR, England.	Method of manufacturing a soldable alloy of titanium.
165958	7-11-1986	Imperial Chemical Industries Plc, of Imperial Chemical House, Mill Bank, London, SW1P 3 J F, England.	Apparatus for effecting direct contact between a gas & liquid.
135115	8-12-1981	Imperial Clevita Inc., One-plymouth Meeting Pennsylvania, 19462, USA.	Method & apparatus for squeeze casting pistens with wear resistant inserts.
166369	28-2-1986	Impsrial Clevita Inc., One-Plymouth Meeting, Pennsylvania, 19462, USA.	Cast metal composite article.
168964	10-2-1988	Industrial Technology, Research-Institute, of No. 195, Sect, 4, Chung RD, Chu Tung, Hsin, Chu, Hslon, Taiwan	Low pressure compressed air assisted fuel injection appratus for engine.
161018	2442-1982	agencursbureau AP, Van Den Berg, B V. Ijzerweg 4. Heerenveen, Netherlands.	A device for performing soil inspection.

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160384	28-1-1984	Interlego AG, Sihlbruggstrasse, 3,6340, Baar, Switzerland.	Toy building blocks
160385	30-1-1984	no.	Toy building blocks.
167683	12-2-1987	Do.	Toy track for toy vehicles.-
167958	14-7-1987	Do,	Toy cog railway
172662	30-6-1989	International Control, Automation Finance, S.A. og Villa de. Luxembourg, 16, ruedes bquns, Luxembourg	Process control system.
167251	30-4-1986	International Metals, Reclamation Co. Inc. of, P.O, Box 720, Ellwo od city, PA,- 16117, USA.	A rotary hearth employable in a rotarory hearth furnace.
165377	1-8-1935	inter-steel Technology inc. 3041, Shallowood Lane. Mithows, North, Curolina 28108, USA.	Method for continuous steelmating in electric furnaces.
166886	1-8-1985	Interateel Technology, Do.	Apparatus for the continuous refining of steel.
169914	23-2-1989	Ion Exchange (India) Ltd, of Tiecion House, Dr. E. Moses Road, Mahalaxmi, Bombay-400011, State of Maharashtra, India.	Improvements in or relating to device used for resign, based teratmentor liquids such as water softening do-lonization, non-water treatment like purifying glyoxal, sugar solution and effluent treatment.
170484	23-5-1989	Do.	An improved eletro-chlorination system for chlorination of water.
165515	19-2-1986	I2-T-societe ivoirianne, De, Teohnologie, Triplicate, of B. P. 1137, Abidjan-04-Ivory, Coast.	Low power gas generator intended for use with coconut waste or heven wood.
161076	23-4-1984	JBL. Incorporated, of 8500, Balboa, Boulevard, Northridge, California-91329, of Delaware, USA.	Defined coverage loudspeaker horn.
167155	11-5-1987	Joe Santa & Associates, PT, of Lot-260, Torrens, Avenue, Cardiff, New South Wales, 2285, Australia.	Improvements in or relating to rotary air machine,
164968	30-10-1985	John Derek Guest, IONA, Cannon Hill way, Bray, Maidenhead, Berkshire, United Kingdom.	Improvement in or relating to tube couplings.
169680	10-3-1988	Kabelmetal Electro, GMBH, of Kabelkamp-20,3000, Hannover 1, West Germany.	Process and apparatus for the manufacture of a longitudinal-seam welded tube.
167727	29-10-1987	Kabushiki Kaisha Nisshin, Seisakusho, 12, Aza, chitose, Minesyamscho, Nakagun, Kyota prefecture, Japan.	Turning device for hones.
168369	10-2-1988	Do.	Method of grinding slippersurface of a rocker arm & a device for Performing the same.
171208	17-11-1989	Do.	Super finishing machine using/apping
172926	19-3-1990	Kaimson Pty. Ltd., of 1 A, Brook Road, Seaforth, New South wales-2092, Common Wealth of Australia.	Cycle-tyre tool.
163964	21-6-1985	Kanegafuchi Kagaku, Kogyo, Kabushiki, Kaisha of 2-4, Nakanoshima-3-chome, Kituku, Tokyo, Japan.	Glow-discharge decomposition apparatus.
163451	22-6-1984	Karl Rubenberger, of Dall-Armi-Strasse 5, 8058, Erding, FED, Rep, of Germany.	Anapparatusforproductingand holograns.

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172005	13-4-89	Kayko Rautio of Kolmi H Mantharju, Finland.	-52700, Machine for the cutting and sawing of logs.
172053	27-1-89	KLOCKNER CRIPATENT, GMBH or Klockue.-strasse 29, 4100 Duisburg 1, West Germany	of reaction gases generated in molten iron continuous casting of ingots
163335	12-2-86	K.M-Kabelmetal Aktiengesal, Klosterstrasse 29, 4500, Osnabuck, West Germany.	
163575	20-4-85	Do	Process for producing protective layer resistant to wear and tear on the shape giving surfaces of a continuous casting ingot mould and an ingot mould so produced.
168961	30-4-87	Do.	Procedure for the manufacture of continuous ingot moulds for continuous casting machines.
169711	24-1-88	Do.	Improvements relating to ingot moulds in particular continuous casting ingot moulds and the like.
163861	16-3-85	Knorr-Bremse GmbH, of Moosacher str., 80, D-8000 Munchen 40, Federal Republic of Germany.	Securing members in the form of sores and nuts for securing or mounting brake pressure plates especially for rail vehicles
170310	19-6-87	K.M-Kabelmetal Aktiengesellschaft. of Klosterstrasse 29, D-4500, Osnabruck, West Germany,	Process for the manufacture of a continuous casting ingot mould from a copper alloy.
162719	2-2-85	Kornelis, Kunsthars, Production, Industries, B.V. of parallelweg, 8332, JA Steensijk, Notherland.	A closure cap and process for making the same.
163529	6-12-85	Kortec AG, Bahuhof strasse-21, 6300, Zug, Switzerland.	Apparatus for heating charging materials
170717	6-10-88	Do.	A method of refining iron or steel by melting solid metal material such as steel scrap.
172795	3-10-89	Do.	Charging arrangement for Shaft furnaces in particular blast furnaces.
169535	23-6-88	Kvaerner Engineering As, of prof. Kohts. vei. 5, N-132 4, Lysaker, Norway.	A method and a plant for recovering hydrocarbon oil saturated with gas from an off-shore drilling well.
166987	25-3-86	Lacrex Brovettj SA, of via ECO, 53.6644, Orselina, Switzerland,	Devine for pre-heating liquid such as liquid fuels.
159619	7-6-83	L' Air Liquide Societe Anonyma Pour L' Erade. Et, L' Exploitation, Das Procedes Georges, Claude, 75, Quaid orsay-75947, paris, France.	Improved thermally insulated constainer
160210	7-5-84	Do,	Hydrogen concentrating process and apparatus
160331	17-2-84	Do.	Apparatus in particular a reactor for purifying fluid by adsorption.
160739	25-6-84	Do,	Process and device for vapourizing a liquid by heat exchange with a second fluid and their application in an air distillation installation.
161131	31-1-84	Do.	Apparatus for cooling a fluid from about ambient temperature to a low temperature.
166224	15-4-86	Do.	A reservoir for cryogenic fluid.

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163794	15-3-85	Lanxide Technology Company Tradeo Industrial Park, Newark De 19714,6077, U S A .	Article of commerce made out of ceramic materials.
6061	3-5-87	Do.	Method for -producing a self-supporting body,-
166882	15-3-85	Bo.	A method for producing a self-sopporing ceramic body.
167338	4-5-87	Do.	Method of making shaped ceramic compo-sits with the of a barrier.
167563	4-8-87	Do.	Method of producing a self-supporting cora-mic strauctor,
167472	4-5-87	Do.	A method of producing ceramic compo-site body of desired shope.
157923	1-6-87	Do.	Method of making ceramic composite arti-cles with shape replicated surfaces.
167986	7-9-87	Do.	A method producing bonded ceramic bodies.
168157	15-9-87	Do.	Method for producing self-supporting cera-mic composite bodies.
168229	16-12-87	Do.	Method of making shoped ceramic composites.
168394	2-9-86	Lacrex Brevtti SA. of Via, Eco, 33, CH-6644, Orselina, Switzerland,	Device for preheating liquid fuels used for combustion and for powering engine.
171324	21-12-88	Do.	Method for producing a self-supporting body.
172869	29-9-89	Do.	A method for making metal matrix compo-site bodies containing three dimensionally Inter-connected co-materices.
173050	1-12-89	Do.	A process for preparing self-supporting bodies.
173135	29-9-89	Do.	A method of forming a metel metrix composite body by a spontaneous intillitration technique.
173137	1-11-89	Do.	A method of making metal metrix compositis.
173197	1-12-89	Do.	Method of modifying self-supporting compo-site bodies by a post treatment process.
173214	29-9-89	Do.	A method for making a metal matrix compo-site.
173245	29-9-89	Do.	A method for making a metal matrix compo-sition.
173246	29-9-89	Do.	Method of forming metal matrix composite bodies.
173274	29-9-89	Dp.	Method for making a metalmetrixcompo-site body.
173285	29-9-89	Do.	Method of making metal matrix composite body.
173286	29-9-89	Do.	Method of making metal matrix composite body.
173288	1-12-89	Do.	A process for preparing self-supporting bodies having controlled porosity and graded properties.

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173381	29-9-89	Lacrex Brevetti SA, of Via, Eco, 53, CH-6644, Orselina, Switzerland.	A method for forming metal matrix bodies.
173541	29-9-89	Do.	Method of making metal matrix composite bodies.
173632	29-9-89	Do.	A method for forming a method matrix composite body by an out side in spontaneons in filtration process.
173743	1-12-89	Do	A method of producing a self-supporting macro-composite ceramic body.
173821	1-12-89	Do	A method of producing self-supporting body.
173822	1-12-89	Do.	A method of producing self-supporting ceramic body comprising aluminium titanate.
16396ft	9-7-86	Los Enterprises trittonL 10775, Racette, Avenne Montreal North, Quebec Canada H1G, SH5.	Improvements in or relating to a seal suitable for locking containers eg. boxes, trucks, zippered containers and the like.
165422	16-7-86	Do.	Shackle typo seal.
161218	16-8-84	Losihger Ag, Komzitrasso 74,3008, Bern, Canton of Borne, Switzerland.	Anchoring arrangement for treely oscillating steel tension elements of a dynamically stressed structural component.
165954	23-1-86	Lowan (Management) PTY Ltd., of 596, Anzac Highway East, Glenelg, South Australia Common Wealth of Australia.	Centifugal Jig.
166468	5-3-87	Macrotech Fluid Sealing Inc., of 1750, West-fifth Sooth, salt, Lake city, Utah-84104, USA.	A composite seal assembly.
161913	6-12-85	Madan Mohan parol, of 71A, Netaji Subhash-Road, 1st Floor, Room No. B-18, Calcutta-700001, West Bengal, India.	Improvements in or relating to ria hulling machine.
168180	24-9-87	Megnetics Research International Corpn.50 South Second street, Fairfield Iowa 52556, USA.	Full flux reversal variable reluctance motor generator machine.
159475	1-3-83	MauchesterRAD, Partnership of 2/31 remersion Drive pepper pike Ohio, 44124. USA.	Liquid crystal display device for use with electrooptic apparatus.
160118	12-3-84	Man Gutchoffiungs Huette, AG, of Postfach 440100, Nuruaberg, 44, West Germany.	An-maase, conveyor for vertical or step delivery of bulk material.
169109	12-3-87	Mannesmann AG, of Mannesmannufer, 2, D-400, Dusseldcorf, 4), Federal Republic of Germany-	An improved double-walles coke quenching cat.
169976	2-9-87	Do.	Device for adjustiug throat armour in shaft, furnaces.
170885	27-10-88	Do.	An improved submercible control device.
165635	6-9-1985	Masatiro Sato 191, Banchi, Ooaza ikenoba, Miki-cho, Kita.gun, Kagawa-ken, Japan.	Brake system for cycles.
156078	1-4-1982	MAS RieterAG, of winterthur, Switzerland.	Apparatus for winding a thread,
166297	5-11-1985	Max Pasbrig, of via, Eco 53, CH-6644, Orsclina, Switzerland.	A universal wrench.
139535	15-3-1983	Med Inventio AG. Seastr. 359, CH-8038, zuric-wollishofen, Switzerland.	Tubular pessary having a contraceptive action.

1	2	3	4
161917	7-2-1936	Metallurgical & Engineering Consultant (India) Ranchi-834002, Bihar, India.	Blast furnace cast house runner system.
1625	5-6-1986	Metallurgical & Engineering Consultants. (India) Ltd., at Doranda, Ranchi-834002, Bihar, India,	Improved coke-oven door and coke ovens having such improved doors.
163969	28-9-1987	Do.	Electric motor-driven Vehicle.
166070	31-8-1987	Do.	System for detecting leakage of water from blast furnace tayer (s).
169539	6-7-1988	Mircromedical Industries, Pty.Ltd. of 397, Darling street, Balmain, N.S. Wales-2041, Australia.	Portable monitor for combinedly monitoring and displaying pacemaker information and vital physiological sign information.
161128	1-6-1983	Midrex International B.V. Wilfriedstrasse 12, Zurich 8032, Switzerland.	Apparatus for generating a reducing ironoxide.
164404	12-8-1986	Do.	Method and appratus for producing malton iron using coal.
167931	10-12-1986	Miner EnterPrises Inc. of-1200, East State Street, Geneva, State of Illinois, USA.	Draft gear for rail road car coupler system.
171643	20-11-1987	Da.	Draft, gear for, a railway car having a center line along its major/axis.
160817	1-7-1983,	Minnesota Mining and Manufacturing' company, 3M Center, saint Paul Minnesota-35144, USA,	Method of making a subrstrate with a low surface energy liner-
160818	1-7-1983	Do.	Method of making a substrate with a composite liner.
160817	1-7-1983	Do.	Method of making a magnetic recording medium with convering protecting of the magnetic cabel coating of a said medium.
16572	14-2-1986	DX	A cardge for use in a stapler for driving generally U-shaped stages.
169211	13-2-1987	Do	A bone Stapler.
172592	1-8-1989	Mitsaba Electric Manufacturing Company Ltd. of 2681. Hiro Sawacho-1-chome, kiryn, Gunma, Japan.	Process for manufacturing commutator.
177487	8-2-1989	Mitutoyo Corporation, of 31-19,, Shiba-5 chom;, Minato-ku Tokyo, 108 Japan.	Optical encoder,
172342	18-1-1989	Do.	Optical encoder.
172570	8-2-1982	Do.	Optical encoder.
172929	8-2-1992	Do,	Oplical encoder.-
172391	13-12-1988	Morpho -Systems of 26, rue Du-mont Thabror 75001 Paris France.	Apparatus for the automatic identification of fingerprints
158168	16-4-1984	Motor Industries Co, Ltd. of Hosur Road, Aduodi Bangaiore-5.60030, India.	Improvements in filter inserts.
69619	23-6-1988	Netzseh-Mohnopumpen, Gm bH Liebigstrasse-28, 8264, Waidkrsiburg, F.R. Germany."	Swivel coupling.
171826	21-3-1989	NGK, Insulators Ltd. of 2-56, Sudacho, Mizho-ku, Negoyos, City, Aichi pref, Japan.	Lightening arrestor insulator and method of producing the same.
171219	16-2-1988	Nitro Nobel, AB, of 5-710 30, Gyttopp, Sweeden.	A firing unit for initiation of detonators.
156361	17-11-1982	Nordiab A/s. Indusbrigade, 13, assens, DK-9550, Mariager, Denmark.	Filter apparatus anil fabric filter bag.

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169226	23-2-1987	Northern Engineering Industries Plc. of NET House, Regent Centre, New Castle Vpon, Tyne-NE-3, 35B, England.	Interrupter
169227	23-2-1987	Do.	Arc interrupter. -
169908	8-6-1987	OI-NEG TV, products, inc. of one Seagate, Toledochio 43666, USA.	An improved method and appratus for making glass cathode ray tube face plates.
169909	8-6-1987	Do.	Appratus for pressing cathode ray tube face plates.
173103	16-3-1989	OI-NEG Television Products inc., of one Seagate, Toledo Ohio 43666, USA.	A tube stirrer element for use in a molten glass feeder.
169118	30-12-1986	ONO, of S.A. Capital, 8.800,000 F. 28700 Avenue, France.	A device for distributing thermoplastic or like material.
164766	28-5-1986	Orenstein & Kopplcl AG., of Borlin, Brustleler, Kan-144-208, 1000, Berlin, West Germany,	Movable hopper bond carriage.
164669	2-1-3-1988	Otto-india Pvt. Ltd., 9 Camac Street, Calcutta-700017, West Bengal State, India.	A flexible door for coke ovens.
169095	10-11-1987	OTTO India Pvt. Ltd., 9, Camac Street Do.	Device for dry cooling of coke.
170882	22-4-1988	Otto India Pvt. Ltd., at F/16, Sector 2 Rourkela-769006, Orissa, India.	Method of and apparatus for producing called and dust free coke from high temperature coke.
172718	27-3-1990	Do.	Process for producing dry quenched coke in a coke coaling shaft and a device for the implementation of the process.
161144	5-6-1985	Oulokumpu OY, of Toolopkatu, 4,00100, Helsinki. Finland,	A method of an apparatus for batch preparation and feeding into smelting process.
165876	23-8-1985	Owens-Illinois Glass containers Inc., of one sea gate. Toledo Ohio-42666. USA.	A closure for a finish of a container a jeck ring
167795	9-7-1986	Do.	A bottle that is adapted to be filled with a liquid product that is at an elavated temperature.
155371	13-5-1982	Palitex Project Co, GmbH' of Weascrweg 8 4150, krefeld 1, West Germany	Two-for-one twisting spindle.
168480	8-10-1986	Do.	A bobbin holder.
169156	19-2-1987	Do.	A thread brake mechanism Tor a spindle assembly of thread processing machine"
164694	25-2-1986	Paques B.V. Tode Boerstraal 11,8561 EL BALK, the Netherlands.	Device for the an arabic purification of waste water.
164788	24-7-1985	Do.	An aerobic purification equipment for waste water.
164137	22-5-1986	Paul Elrieh ET, Al. of 85 Avenue, De Hazy, 44380, Pornichet, France	Pressure resistant miser.
168215	7-8-1987	Do.	All-wheel drive off highway vehicle.
159675	24-2-1983	Paul- Wurth S.A, 32, rue, 'D'Alasace, Luxembourg, Grand Duchy of Luxembourg,	Device for coupling
169870	8-12-1983	Do	Apparatus for guiding and changing immersion lances.
160258	8-34984	Do.	Apparatus for plugging tap holes of shaft furnaces.
160453	19-I-1984	Do.	Filtering drum for a metalurgical slag fitter in installation.

1	2	3	4
170566	25-2-1988	Peter-Btr, Gummiwarke, Aktiengesellschaft, of Geleitstrasse, 118-6450 Hanau 8, F.R of Germany.	A method for producing a driving or conveyor belt made of rubber or a rubber like material.
168809	12-4-1988	Phillips Perovitch, of 251 'AVE, DE-LA, Marne -33700. Merignac, France.	Device for recovering and reinjecting blood.
169693	26-6-1987	Pierre Pettin of 15 Rue, Buffon, 75005, Paris, France.	Improvements in or relating to inclinable multiwheel vehicles.
158262	12-7-1982	Portals Ltd. Overton Mills, Overton, Basingstoke, Hampshire RG, 25 3JG, England.	Method of forming paper having partially embedded within its thickness a strip and paper so formed.
163432	31-3-1983	pyranco Inc P.O. Box 903, Prosser Washington, 99350, U.S.A	Apparatus and method for producing fuel gas from cyanide material capable of self sustaining operation.
172343	20-2-1989	Ralph Habal Hoyeck of 80, Somerville Ave Westmount, P.C. H32, 1 J5, Canada.	Perpetual yearly/monthly calendars,
165338	3-12-1985	RCA, Corporation. of-2, independence, Way, P.O. BOX. 2023, Princeton, New-Jersey, 08540.	Apparatus and method for forming a shadow mask from a flat blank.
168870	20-5-1989	R.J. Reynolds Tobacco Comp, of 403, N. Main, ST. City of Winston-Salem, N. Carolina -27102, USA	Cigarette type smoking article-
171554	30-3-1989	Roads and Traffic Authority of 50, Rothchild Ave. Roscherry, NS, Wales 2018, Australia.	Mobile Vehicle inspection device.
163573	7-1-1985	Roberto Perlini, 37047, San Bonifacio Locare Italy.	Oleodynamic control device for steering the Pivotal wheels of vehicles provided with straight travelling stabilizer.
161345	15-12-1983	ROCAMAT, rue Bellini, 92800, Puteaux-France	Device for cutting blocks of materials like granite marble stone
[57937	26-11 -82	Rosemount Inc. 12001 West 78th Street, Eden Prairie, Minnesota-55344, USA	An apparatus for conveying fluid pressures for use with differential pressure transducer
165267	23-7-85	Do.	A batch fabricated film platinum resistance thermometer
169/97	1-6-87	Do.	A pressure sensor
164003	13-6-85	Royal Ordnance Plc, of 5th Griffin House, The stand, London, WC 2N, 5BB, England	Riot control weapon
164202	13-6-85	Do.	Riot control weapon
167667	13-10-86	Do.	An explosive device for linear cutting for demolition purposes
171923	12-8-88	Saint-Gobain Yitrag, of 18 avenue, d' Alsace, 92400, Courbeville, France	Process and apparatus for the production of glass from verifiable glass making material
167033	11-7-86	Sanford Redmond, of 746, Riverbank Rd. Stamford, Connecticut, 06903, USA	Dispenser package for flowable substance
159975	26-4-84	Santtade Ltd., of Alpengni 12, 6002, Luzern, Switzerland	Device for extruding flowable substances
160643	9-8-81	Do.	Apparatus for the production of granulates
162177	27-5-85	Do.	Apparatus for the Production of granules

1	2	3	4
170922	12-7-88	Satake Engineering Co. Ltd., at 7-2, Sotokanda, 4-chome, Chivoda-ku Tokyo, Japan	Variable speed controllable induction motor
160595	5-4-84	Shell international Research Maatschappij B.V of Carl van Bylandtraan, 30, the Hague. The Netherlands	and gas
170062	5-8-87	Do.	AN apparatus for heating steam formed from cooling water used in heat exchanger
171837	8-9-88	Do.	A burner for the partial oxidation of hydrocarbon containing fuel
172828	20-9-89	Do.	An apparatus for separating solid particles from a mixture of fluid and solid particles
163435	19-6-84	Shirolki Corporation, 2, Kiri-hara-cho, Fujisawashi Kanagawa, Ken, 252; Japan	Spontaneous convection type solar heat collector
159171	22-12-83	Siemens AG, of Berlin & Munich, wittelsbacher-2 D-8000, Munchen, F.R. of Germany	Pressurisable container having a safe by device for releasing excess Pressure from a container
164866	22-10-86	Do.	Improvements in fluid flow engines
165090	24-11-86	Do.	A mechanical logic device and a mechanical circuit comprising such device
159039	9-6-83	Single Buoy Moorings, Inc.:5, Route de Fribourg, P.O. Box, 124, CH-1723, Marly, Switzerland	Mooring System for maintaining a buoyancy body in position in relation to another body
160693	9-6-83	Do.	Device for maintaining a buoyant body in position in relation to another body
157868	12-4-82	Societ, D EM S.E.M.T. 93202, Machines Thermiques, S.E.M.T. France	A fuel injection pump for an internal combustion engine
158573	31-8-82	Do.	Improvements in or relating to internal combustion engine
165190	6-12-85	Do.	Piston for use in an internal combustion engine
170078	10-3-87	Do.	An injector apparatus for an internal combustion engine
167024	27-5-86	Societe Nationale Des Poudres Et. Explosifs. of 12, Quai-Henri IV, 75181, Paris, Cedex, 04, France	Pyrotechnic igniter for shells
162523	11-12-84	Do.	Device for inhibiting the effects of a Work of propellant
166093	5-2-86	Do.	Apparatus for the manufacture of one or more blocks of propellant by casting
163828	30-5-85	Societe Nationale Industrielle Aerospatiale of 37 Boulevard de la Motte-Picquet, Paris -75016 France	A flame diluter diverter assembly for a turbine engine of an aircraft
158650	12-3-82	Midland, Baid, Cleveland, Ohio-44115, USA	Method of manufacturing a photovoltaic semiconductive device
16720ft	12-2-1985	Sohio. Commercial Development Company at Midland, Build, Cleveland, Ohio-44115, USA	A solar cell.

	2	3	4
8058	17-6-82	Sony Corporation, at 7-35, Kitashinagawa, 6-chomo, shinagawa-ku, Tokyo, Japan	Video tape cassette
162514	26-6-81	SPX Corporation, 100 Tarraco Plaza, Muskegon, Michigan, 49443, USA	Solenoid valve
162693	26-6-84	Do	Solenoid valve
162905	17-6-85	Do	Solenoid Valve
162817	16-8-85	Staedtler & Uhl, Nordliche Ringstrasse, 12, D-8540, Schwabach, Fed. Rep. of Germany.	A saw toothed stamped metal part as cut fit for a comb segment of a porcupine for textile machines
168968	17-8-88	Staedtler & Bhl F.R. of Germany, of Nordliche Ringstrasse, 12-D-7540, Schwabach. F.R. Germany.	Needle strip in particulars a top comb for textile machinery
161829	14-11-84	Stein Industrie, of-19-21, avenue, Morane, Saulnier, Caublay, France.	78140, Velizy Villa-, Heat exchange having vertical tubes forming parallel loops and Inter-Locking means for interlocking adjacent vertical tubes
162294	14-11-84	Do.	A device for suspending a bundle of Horizontal tubes in a vertical plans
162680	29-5-85	Do.	A heat exchanger panel.
163679	29-5-85	Do.	A centrifuging mixture separator,
169769	9-12-86	Do.	A horizontal cylindrical rotary pulverizer for preparing pulverized material of two or different degrees of fineness
157219	1-3-83	Steve Albert Rands, of 3315, Ville knolls, Drive, Pasadena, C. A. 91107, USA.	Centerless honing or grinding apparatus
170987	7-4-88	Stork Brabant BV. of 43, a Wim de korvert 5831, AN, Boxmeer, the Netherland.	A device for uniformly distributing a viscous medium along the width of a web-like substrate moving substantially perpendicular to the said device
165614	12-6-85	Stork Screens B.V. of 3, Raamstraat, 5831, AT, Boxmeer, Netherland.	A screen for printing and method for manufacturing the same
169606	12-5-87	Strachan & Henshaw Machinery Ltd, of speedwell, Bristol, BS5-7UZ, United Kingdom	A web-fed printing apparatus
172705	12-5-67	Do.	A Web perfecting printing apparatus.
172706	12-5-1991	Do.	A web-fed printing apparatus.
172707	12-5-87	Do.	A method and apparatus for manufacturing a process web of material.
160503	9-4-84	TBA Industrial Products Ltd., of 20, St. Mary's Parsonage, Manchester, M3.2NL, England,	Process for the manufacture of feminine structure
160561	9-4-84	Do.	A PVC-Impregnated textile fabric
159137	26-9-83	Tecumseh, Products Co., 100, East Patterson, Street, Tecumseh, Michigan, 49286, USA.	A cooling device for a hermetic motor-compressor unit
172252	18-10-88	Do	A hermetic compressor.
172185	16-3-89	The Charles Stark Draper Laboratory, Inc. of 555, Technology Square, Cambridge, MA 02139, USA.	A device for selectively manipulating a limp material segment.
161458	14-9-84	The Gillette Company, Prudential Tower Bldg., Boston, State of Massachusetts, USA.	Razor blade assembly.
172500	3-6-88	Do	Apparatus for providing a facet on opposed surfaces of cutting instruments.

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1	2	3	4
171432	9-5-88	TI Automotive Division, of TI, Canada, Inc. of 2, Tarrace Street, London, Ontario, Canada-N6A, 4M4.	A method of forming a box section frame member.
173191	27-3-89	The Lemna Corporation, of 1408, Northland Drive 102, Meadora, Heights, Minnesota-55120, USA.	Apparatus and method of treating wastewater.
159152	25-5-84	Theo Schroders, of Gerhard-weiter Straase, 7, 5140, Enkeleny F-R. of Germany.	A fire -protective closure, or seal for an opening in a building.
169900	28-3-88	Do.	A fire barrier door.
171912	28-2-89	Theo Wessa, Siedling, 19, 6751, Mackenbach/pfalz, Bundesrepublik, Deutschlano-, F.R. of Germany	Apparatus for the production of small clear ice bodies
172750	18-12-87	The Standard Oil Company, of 200, public, square, Cleveland; Ohio, 44114-2375 USA.	A photovoltaic device.
159322	13-6-1983	The Western States Michine Co., 1798 Fairgrove Avenue, Hamilton, Ohio, 45012, USA,	Mechanism for fatcing an axially displaceable rotary part to a concentric rotary parts.
162890	30-11-85	TLV Company Ltd, of 8th Floor, of Hibiya, Kakusai, Building, 2-3, Uchisanwai-cho-2--cohome Chiyoda-ku, Tokyo', Japan.	Pressure redcing valve.
163096	3-9-84	Do.	A reducing valve with separator for removing condensed water and solid matter from steam compressed air or gases.
163693	2-3-87	Do.	Steam strap operation monitoring device.
173224	2-5-89	Tornoe Technical Research Company, of 2-91-1, Honjyo-Naka, Higashiose, Kashi, Osaka-ku, Japan.	Butterfly valve having a function for mesasuring a flow rate of a fluid.
170744	17-3-87	Toray industrial, Inc, of 2-1, Nihonba-shi Maromachi-2-Chome, Chuo-Ku, Tokyo, Japan.	Apparatus for fractionating a cell suspension.
102483	8-8-94	Tulserate Ltd, of, 14, Daminion Street. London BC2M, 2 Rg, England.	Space frames.
169997.	4-5-87	UDDBMOLM TOOLING AKTIE BOLAG, of Gaijersvagen, S-68305. Hagfors Sweden.	A method of m manufacturing a low-alloy steel.
164622	16-3-85	UHDE Gmb H Friedrich-Uhe-Str. 15, 4600 Dortmund, Federal Republic of Germany.	Device for achieving a uniform distribution of the gas flowing radially through catalyst bed.
170272	20-10-87	Union carbide Corpon of 39 old, Ridgebury Rd. Danbury, State of Connecticut, 06817, USA.	A method of manufacturing a magnetic recording device.
173743	9-5-88	Do.	Vessel for handling a heated substance such as molten metal.
164492	26-3-65	Unisearch Ltd, 221 Anzac Parade, Kensington, NSW 2033, Australia	A solar cell and method of manufacturing the same.
137173	6-4-81	Utidad Technologies, Corporation, 1, Financial Plaza, Hartform Connecticut, USA.	Method of manufacturing a metal work-piece and finishing metal surfaces by surface treatment of workpieces.
153477	6-4-81	Do.	Wind turbine including drive train.
164330	17-11-86	Do.	A Veriable speed wind turnine.

1	2	3	4
164700	17-11-86	United Technologies, Corporation, 1, Financial Plaza, Hartford, Connecticut, USA.	Apparatus for controlling a variable speed wind turbine-generator at improved efficiencies.
166845	27-4-87	Do.	An apparatus for controlling a variable speed wind turbine-generator at improved efficiency and at other than a critical speed.
162382	1-3-89	Do.	Wind turbine shut down systems.
160369	13-3-85	Voieat Alpine AG, M A Schinenfabrik, Liezen.	Internal lining for ball mills.
162122	30-3-84	Do.	Apparatus for spraying the bits and/on the facing with Pressurized liquid as well as apparatus for performing this process.
162866	30-3-84	Do.	Cutting assembly for a rock cutting machine.
165081	19-3-86	Do	Apparatus for charging a shaft furnace for burning carbonaceous mineral material.
168210	13-6-88	Do.	During arrangement for the cutting heads or rolls of an advancing or raring machine.
165864	3-3-86	Vosstoh-Werke, F.R. of Germany.	Fastening arrangement for fastening a rail to sleeper.
167700	2-2-88	Do.	Device for fastening rails to sleepers.
167944	2-2-88	Yossloh-Worke GmbH pf) P.O. Box 1860-5980, Wordohhi, 1, Fed. Rep. of Germany.	Rail testing means utilizing a resist-lient clamp.
139486	12-4-84	Werzolit-werke, J.E. Werz, 1 KG, of 7141, Oberstenfeld, Bei, Stuttgart, West Germany.	Power press for the manufacture of profile bodies.
164466	31-5-85	Worldwide solar coropn, (Australia) Pty Ltd, 84 Norma Road, Myaree. Wosternnn, Australia	Solar collector.
170116	8-9-88	Yen Ti-Hung, P.B. of P.O. Box- 744006, Dallas, Texas-75374. USA.	A modular structure.
166558	19-4-88	Zediani Pty Ltd, of 1, Smith Street, Parramatta New South, Wales-2150, Australia.	An intervaginal device for connecting urinary in continence.
169989	33-6-88	Zenna-Starker GmbH, and Co. KG Postfach- 102669, Aubere Uferstr. 61-69/73, 8900, Augsburg, West Germany.	Method and apparatus for the cleaning of a soot filter.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 172968, Edicon Mining Equipment Pvt. Ltd., of 54, Balaji Estate. Akurli Road, Kandivli(E), Mumbai-400101, Maharashtra, India, "Pneumatic Scaling Machine", 14th January 1997.

Class 1. No. 172563, Honda Giken Kogyo Kabushiki Kaisha. a corporation of Japan having a place of business at 1-1 Minamiaoyama 2-chome, Minato-ku, Tokyo, Japan. "Motorcycle", Nth November 1996.

Class 3. Nos. 172560 ft 172561, The Goodyear Tire & Rubber Company, at 1144 East Market Street, Akron, Ohio 44316-0001. U.S.A., "Tyre", 7th November 1996.

Class 3. No. 172547, Kanamarlapudi Srinivasulu, trading as Krishnaveni Enamel Slate Industries, T. V. S. Compound, Markapur 523316 (AP), India, "Writing Slate", 6th November 1996.

Class 3. No. 172541, Gurram Rama Rao, trading as Rama Slate Industries, Nehru Street, Markapur 523316, CAP), a citizen of India, "Writing Slate", 6th November 1996.

Class 3. No. 172538, Huntleigh Technotoay P.J.C., a British Company of 310-312 Dallow Road, Luton, Bedfordshire LU1 LTD, England. "Minipump". 17th May 1996.

Class 3. No. 172927, Braun Aktiengesellschaft, a German Company, of Frankfurt (Main), Bundearepublik Deutschland, Germany. "Electric Tooth Brush", 6th January 1997.

Class 3, No. 172522. The Gillette Company, a Delaware corporation of Prudential Tower Building Boston Masachusetts 02199, U.S.A., "A Razor" 4th November 1996.

Class 3. No. 172520, Motorola INC., a corporation of the State of Delaware, of 1303 East Algonquin Road, Schaumburg, illinois 60196. USA., "Selective Call Transceiver", 4th November 1996.

Class 3." No. 172914, Glory International, an Indian sole proprietary concern, of Amrut Niwas, 2nd floor, 159/2, 6th Cavel X Lane, Dr. Vigas Street Kalbadevi Road, Bombay 400020. Maharashtra, India, "Box", 3rd January 1997.

Class 8. Nos. 172516 & 172517, Cosmique Limited, an Indian Company, A 17, Naraina Phase II, New Delhi-110028, India, "Carpet", 4th November 1996.

T. R. SUBRAMANIAN
Controller General of Parent, Design & Trade Marks

प्रबन्धक, भारत सरकार मद्रणालय, फरीदाबाद द्वारा मुद्रित

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